



Thickness Measurement Report

General Particulars

Ships name: Amundsen	
IMO number: 7510846	
Class identity number:	Classification society: Lloyd's Register North America Inc.
Flag: Canadian	Port of Registry: Ottawa, Ontario
Gross tons: 1,678	Deadweight: 5,911
Date of build: 1979	

Name of Company performing thickness measurement: DNA - Diversified Naval Architects Inc.	
Thickness measurement company certified by: Lloyd's Register North America Inc.	
Certificate No.: MNDE/2010/3729	
Certificate Valid from: 07/06/2010	to: 23/03/2013
Place of measurement: St. Catharines, Ontario	
First date of measurement 07-Feb-13	Last date of measurement: 01-Mar-13
Survey Type - Due: Special	
Details of measurement equipment: KrautKramer Branson DMS2 OORPPK	
Qualification of operator: DNA UTII	

Report Number: MTL-1200703	consisting of	147 pages
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Name of operator: J. Grear	Name of attending surveyor: J. Tang	Name of authorizing surveyor: M. Skrzypczak
Signature of operator: 	Signature of surveyor:	Signature of surveyor:
Company official stamp: 	Classification Society Official Stamp:	Classification Society Official Stamp:

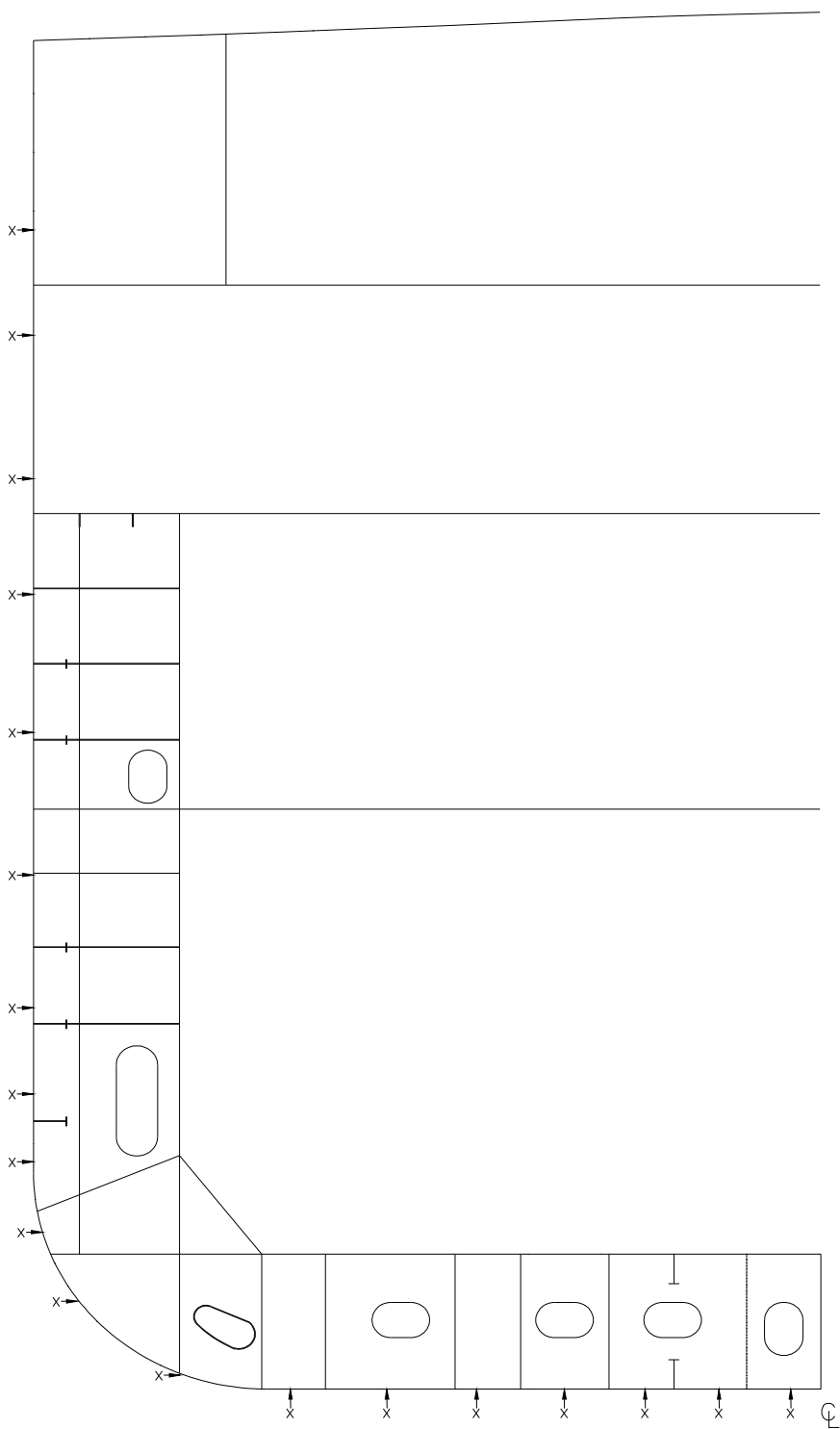
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List of Substantial and Excessive Corrosion Measurements

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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Side Shell Strake 'K'																							
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S								
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S					
12th forward																								
11th																								
10th																								
9th		12.70	8.89	10.16	11.43	12.82	12.94	-	-	-	-	12.97	13.25	-	-	-	-	-	-	-	-	30.0	20.0	10.0
8th		12.70	8.89	10.16	11.43	13.49	13.04	-	-	-	-	13.25	13.19	-	-	-	-	-	-	-	-	30.0	20.0	10.0
7th		12.70	8.89	10.16	11.43	13.74	12.97	-	-	-	-	12.41	13.05	0.29	2.28	-	-	-	-	0.15	-	30.0	20.0	10.0
6th		12.70	8.89	10.16	11.43	13.57	13.00	-	-	-	-	13.28	12.86	-	-	-	-	-	-	-	-	30.0	20.0	10.0
5th		12.70	8.89	10.16	11.43	13.15	13.17	-	-	-	-	12.96	12.59	-	-	-	0.11	0.87	-	0.05	30.0	20.0	10.0	
4th		12.70	8.89	10.16	11.43	13.70	13.25	-	-	-	-	13.56	12.39	-	-	-	0.31	2.44	-	0.15	30.0	20.0	10.0	
3rd		12.70	8.89	10.16	11.43	13.73	13.11	-	-	-	-	13.44	12.74	-	-	-	-	-	-	-	-	30.0	20.0	10.0
2nd		12.70	8.89	10.16	11.43	13.48	13.22	-	-	-	-	13.31	12.81	-	-	-	-	-	-	-	-	30.0	20.0	10.0
1st		12.70	8.89	10.16	11.43	12.53	12.87	0.17	1.34	-	-	12.97	12.64	-	-	-	0.06	0.47	0.09	0.03	30.0	20.0	10.0	
Amidships		12.70	8.89	10.16	11.43	12.45	12.92	0.25	1.97	-	-	12.69	12.95	0.01	0.08	-	-	-	0.13	-	30.0	20.0	10.0	
1st		12.70	8.89	10.16	11.43	12.95	12.47	-	-	-	0.23	1.81	12.81	13.08	-	-	-	-	-	0.11	30.0	20.0	10.0	
2nd		12.70	8.89	10.16	11.43	12.79	12.69	-	-	-	0.01	0.08	12.79	13.22	-	-	-	-	-	0.00	30.0	20.0	10.0	
3rd		12.70	8.89	10.16	11.43	12.96	12.74	-	-	-	-	-	13.09	13.01	-	-	-	-	-	-	30.0	20.0	10.0	
4th		12.70	8.89	10.16	11.43	13.01	12.82	-	-	-	-	-	13.38	12.94	-	-	-	-	-	-	30.0	20.0	10.0	
5th		12.70	8.89	10.16	11.43	12.77	13.09	-	-	-	-	-	13.41	12.69	-	-	-	0.01	0.08	-	0.00	30.0	20.0	10.0
6th		12.70	8.89	10.16	11.43	13.25	13.18	-	-	-	-	-	12.94	12.87	-	-	-	-	-	-	30.0	20.0	10.0	
7th		12.70	8.89	10.16	11.43	12.86	13.27	-	-	-	-	-	12.88	12.91	-	-	-	-	-	-	30.0	20.0	10.0	
8th		12.70	8.89	10.16	11.43	13.17	13.39	-	-	-	-	-	12.39	12.79	0.31	2.44	-	-	0.15	-	30.0	20.0	10.0	
9th																								
10th																								
11th																								
12th aft																								

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Wind Strake 'J'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th		22.23	15.56	17.78	20.01	23.31	21.16	-	-	1.07	4.81	22.89	21.75	-	-	0.48	2.16	-	0.78	30.0	20.0	10.0	
8th		22.23	15.56	17.78	20.01	22.98	23.18	-	-	-	-	22.73	23.73	-	-	-	-	-	-	30.0	20.0	10.0	
7th		22.23	15.56	17.78	20.01	23.16	22.94	-	-	-	-	21.88	22.16	0.35	1.57	0.07	0.31	0.18	0.04	30.0	20.0	10.0	
6th		22.23	15.56	17.78	20.01	20.50	23.02	1.73	7.78	-	-	22.57	23.09	-	-	-	-	0.87	-	30.0	20.0	10.0	
5th		25.40	17.78	20.32	22.86	26.68	25.22	-	-	0.18	0.71	25.84	24.97	-	-	0.43	1.69	-	0.31	30.0	20.0	10.0	
4th		25.40	17.78	20.32	22.86	25.27	25.67	0.13	0.51	-	-	25.81	25.38	-	-	0.02	0.08	0.06	0.01	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	25.97	25.84	-	-	-	-	26.39	26.39	-	-	-	-	-	-	30.0	20.0	10.0	
2nd		25.40	17.78	20.32	22.86	25.18	25.18	0.22	0.87	0.22	0.87	25.47	27.07	-	-	-	-	0.11	0.11	30.0	20.0	10.0	
1st		25.40	17.78	20.32	22.86	25.97	24.56	-	-	0.84	3.31	25.91	26.94	-	-	-	-	-	0.42	30.0	20.0	10.0	
Amidships		25.40	17.78	20.32	22.86	25.18	24.51	0.22	0.87	0.89	3.50	25.63	25.87	-	-	-	-	0.11	0.44	30.0	20.0	10.0	
1st		25.40	17.78	20.32	22.86	24.50	24.89	0.90	3.54	0.51	2.01	25.49	26.09	-	-	-	-	0.45	0.25	30.0	20.0	10.0	
2nd		25.40	17.78	20.32	22.86	26.02	25.33	-	-	0.07	0.28	26.08	25.98	-	-	-	-	-	0.04	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	26.40	25.19	-	-	0.21	0.83	26.34	26.35	-	-	-	-	-	0.10	30.0	20.0	10.0	
4th		25.40	17.78	20.32	22.86	25.56	26.09	-	-	-	-	25.69	26.11	-	-	-	-	-	-	30.0	20.0	10.0	
5th		24.96	17.47	19.97	22.46	25.00	25.98	-	-	-	-	25.74	26.44	-	-	-	-	-	-	30.0	20.0	10.0	
6th		24.96	17.47	19.97	22.46	21.88	25.68	3.08	12.34	-	-	26.18	26.05	-	-	-	-	1.54	-	30.0	20.0	10.0	
7th		24.96	17.47	19.97	22.46	24.29	24.85	0.67	2.68	0.11	0.44	26.84	26.37	-	-	-	-	0.34	0.05	30.0	20.0	10.0	
8th		24.96	17.47	19.97	22.46	25.94	24.59	-	-	0.37	1.48	25.89	25.76	-	-	-	-	-	0.19	30.0	20.0	10.0	
9th																							
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Water Strake 'H'																					
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S						
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S			
12th forward																						
11th																						
10th		42.93	30.05	34.34	38.64	41.78	43.47	1.15	2.68	-	-	43.21	38.88	-	-	4.05	9.43	0.57	2.03	30.0	20.0	10.0
9th		42.93	30.05	34.34	38.64	42.33	43.04	0.60	1.40	-	-	42.09	39.18	0.84	1.96	3.75	8.74	0.72	1.88	30.0	20.0	10.0
8th		42.93	30.05	34.34	38.64	43.15	42.19	-	-	0.74	1.72	42.83	44.45	0.10	0.23	-	-	0.05	0.37	30.0	20.0	10.0
7th		42.93	30.05	34.34	38.64	44.96	43.68	-	-	-	-	43.02	43.28	-	-	-	-	-	-	30.0	20.0	10.0
6th		42.93	30.05	34.34	38.64	42.13	41.75	0.80	1.86	1.18	2.75	43.08	43.24	-	-	-	-	0.40	0.59	30.0	20.0	10.0
5th		42.93	30.05	34.34	38.64	42.17	42.70	0.76	1.77	0.23	0.54	42.87	43.61	0.06	0.14	-	-	0.41	0.11	30.0	20.0	10.0
4th		42.93	30.05	34.34	38.64	44.88	41.35	-	-	1.58	3.68	42.19	42.87	0.74	1.72	0.06	0.14	0.37	0.82	30.0	20.0	10.0
3rd		42.93	30.05	34.34	38.64	42.45	41.75	0.48	1.12	1.18	2.75	42.65	42.69	0.28	0.65	0.24	0.56	0.38	0.71	30.0	20.0	10.0
2nd		42.93	30.05	34.34	38.64	41.67	42.35	1.26	2.94	0.58	1.35	42.36	43.54	0.57	1.33	-	-	0.91	0.29	30.0	20.0	10.0
1st		42.93	30.05	34.34	38.64	42.56	42.62	0.37	0.86	0.31	0.72	42.91	44.35	0.02	0.05	-	-	0.20	0.16	30.0	20.0	10.0
Amidships		38.10	26.67	30.48	34.29	41.59	39.81	-	-	-	-	38.18	35.99	-	-	2.11	5.54	-	1.06	30.0	20.0	10.0
1st		38.10	26.67	30.48	34.29	41.65	38.79	-	-	-	-	37.94	39.36	0.16	0.42	-	-	0.08	-	30.0	20.0	10.0
2nd		38.10	26.67	30.48	34.29	41.45	38.19	-	-	-	-	38.28	36.97	-	-	1.13	2.97	-	0.57	30.0	20.0	10.0
3rd		38.10	26.67	30.48	34.29	41.74	39.87	-	-	-	-	38.07	35.94	0.03	0.08	2.16	5.67	0.02	1.08	30.0	20.0	10.0
4th		38.10	26.67	30.48	34.29	40.27	40.18	-	-	-	-	39.15	36.66	-	-	1.44	3.78	-	0.72	30.0	20.0	10.0
5th		38.10	26.67	30.48	34.29	37.97	37.98	0.13	0.34	0.12	0.31	37.94	37.41	0.16	0.42	0.69	1.81	0.15	0.41	30.0	20.0	10.0
6th		38.10	26.67	30.48	34.29	38.49	38.69	-	-	-	-	39.78	38.88	-	-	-	-	-	-	30.0	20.0	10.0
7th		38.10	26.67	30.48	34.29	38.38	38.74	-	-	-	-	39.70	40.53	-	-	-	-	-	-	30.0	20.0	10.0
8th		38.10	26.67	30.48	34.29	39.49	39.96	-	-	-	-	41.67	41.33	-	-	-	-	-	-	30.0	20.0	10.0
9th		38.10	26.67	30.48	34.29	40.34	40.50	-	-	-	-	40.67	40.32	-	-	-	-	-	-	30.0	20.0	10.0
10th																						
11th																						
12th aft																						

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Side Shell Strake 'G'																					
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S						
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S			
12th forward																						
11th																						
10th		42.93	30.05	34.34	38.64	42.34	43.21	0.59	1.37	-	-	43.25	42.87	-	-	0.06	0.14	0.29	0.03	30.0	20.0	10.0
9th		42.93	30.05	34.34	38.64	44.44	42.09	-	-	0.84	1.96	42.84	43.09	0.09	0.21	-	-	0.04	0.42	30.0	20.0	10.0
8th		42.93	30.05	34.34	38.64	43.84	42.83	-	-	0.10	0.23	43.17	43.61	-	-	-	-	-	0.05	30.0	20.0	10.0
7th		42.93	30.05	34.34	38.64	43.38	42.34	-	-	0.59	1.37	43.61	43.28	-	-	-	-	-	0.29	30.0	20.0	10.0
6th		42.93	30.05	34.34	38.64	42.79	42.28	0.14	0.33	0.65	1.51	42.49	42.97	0.44	1.02	-	-	0.29	0.32	30.0	20.0	10.0
5th		46.48	32.54	37.18	41.83	47.15	48.78	-	-	-	-	47.84	47.09	-	-	-	-	-	-	30.0	20.0	10.0
4th		42.93	30.05	34.34	38.64	43.14	42.30	-	-	0.63	1.47	42.40	42.67	0.53	1.24	0.26	0.61	0.27	0.45	30.0	20.0	10.0
3rd		42.93	30.05	34.34	38.64	43.20	43.19	-	-	-	-	43.70	41.81	-	-	1.12	2.61	-	0.56	30.0	20.0	10.0
2nd		42.93	30.05	34.34	38.64	42.64	43.57	0.29	0.68	-	-	44.18	42.74	-	-	0.19	0.44	0.15	0.09	30.0	20.0	10.0
1st		42.93	30.05	34.34	38.64	42.54	42.67	0.39	0.91	0.26	0.61	43.17	43.69	-	-	-	-	0.20	0.13	30.0	20.0	10.0
Amidships		38.10	26.67	30.48	34.29	41.63	40.69	-	-	-	-	40.67	40.32	-	-	-	-	-	-	30.0	20.0	10.0
1st		38.10	26.67	30.48	34.29	33.65	40.89	4.45	11.68	-	-	38.91	39.41	-	-	-	-	2.23	-	30.0	20.0	10.0
2nd		38.10	26.67	30.48	34.29	39.49	39.96	-	-	-	-	37.93	39.07	0.17	0.45	-	-	0.09	-	30.0	20.0	10.0
3rd		38.10	26.67	30.48	34.29	40.97	39.84	-	-	-	-	38.79	38.67	-	-	-	-	-	-	30.0	20.0	10.0
4th		38.10	26.67	30.48	34.29	41.88	41.36	-	-	-	-	41.09	38.97	-	-	-	-	-	-	30.0	20.0	10.0
5th		38.10	26.67	30.48	34.29	40.08	39.25	-	-	-	-	40.30	39.08	-	-	-	-	-	-	30.0	20.0	10.0
6th		38.10	26.67	30.48	34.29	39.70	40.53	-	-	-	-	40.09	40.19	-	-	-	-	-	-	30.0	20.0	10.0
7th		38.10	26.67	30.48	34.29	41.67	41.33	-	-	-	-	39.19	39.64	-	-	-	-	-	-	30.0	20.0	10.0
8th																						
9th																						
10th																						
11th																						
12th aft																						

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Side Shell Strake 'F'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th		42.93	30.05	34.34	38.64	43.15	42.86	-	-	0.07	0.16	43.33	43.01	-	-	-	-	-	0.04	30.0	20.0	10.0	
8th		42.93	30.05	34.34	38.64	43.29	43.94	-	-	-	-	42.86	43.07	0.07	0.16	-	-	0.04	-	30.0	20.0	10.0	
7th		42.93	30.05	34.34	38.64	42.91	42.79	0.02	0.05	0.14	0.33	42.94	43.36	-	-	-	-	0.01	0.07	30.0	20.0	10.0	
6th		42.93	30.05	34.34	38.64	42.79	43.64	0.14	0.33	-	-	43.19	43.02	-	-	-	-	0.07	-	30.0	20.0	10.0	
5th		46.48	32.54	37.18	41.83	47.84	46.91	-	-	-	-	46.39	47.09	0.09	0.19	-	-	0.04	-	30.0	20.0	10.0	
4th		42.93	30.05	34.34	38.64	43.19	43.57	-	-	-	-	43.15	42.47	-	-	0.46	1.07	-	0.23	30.0	20.0	10.0	
3rd		42.93	30.05	34.34	38.64	43.49	43.90	-	-	-	-	42.34	42.91	0.59	1.37	0.02	0.05	0.29	0.01	30.0	20.0	10.0	
2nd		42.93	30.05	34.34	38.64	44.05	42.99	-	-	-	-	42.19	42.81	0.74	1.72	0.12	0.28	0.37	0.06	30.0	20.0	10.0	
1st		42.93	30.05	34.34	38.64	42.91	43.94	0.02	0.05	-	-	43.03	43.37	-	-	-	-	0.01	-	30.0	20.0	10.0	
Amidships		38.10	26.67	30.48	34.29	40.73	38.06	-	-	0.04	0.10	37.91	38.97	0.19	0.50	-	-	0.10	0.02	30.0	20.0	10.0	
1st		38.10	26.67	30.48	34.29	40.43	40.78	-	-	-	-	36.70	39.55	1.40	3.67	-	-	0.70	-	30.0	20.0	10.0	
2nd		38.10	26.67	30.48	34.29	34.48	38.56	3.62	9.50	-	-	38.30	39.61	-	-	-	-	1.81	-	30.0	20.0	10.0	
3rd		38.10	26.67	30.48	34.29	36.56	35.85	1.54	4.04	2.25	5.91	36.19	38.74	1.91	5.01	-	-	1.73	1.13	30.0	20.0	10.0	
4th		38.10	26.67	30.48	34.29	35.36	36.74	2.74	7.19	1.36	3.57	38.83	39.06	-	-	-	-	1.37	0.68	30.0	20.0	10.0	
5th		38.10	26.67	30.48	34.29	37.94	40.09	0.16	0.42	-	-	39.15	36.65	-	-	1.45	3.81	0.08	0.73	30.0	20.0	10.0	
6th		38.10	26.67	30.48	34.29	39.19	39.41	-	-	-	-	37.97	39.26	0.13	0.34	-	-	0.07	-	30.0	20.0	10.0	
7th		38.10	26.67	30.48	34.29	39.90	38.49	-	-	-	-	39.74	39.64	-	-	-	-	-	-	30.0	20.0	10.0	
8th		38.10	26.67	30.48	34.29	39.31	39.87	-	-	-	-	38.49	38.99	-	-	-	-	-	-	30.0	20.0	10.0	
9th																							
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bilge Shell Strake 'E'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th																							
8th		42.93	30.05	34.34	38.64	42.69	42.69	0.24	0.56	0.24	0.56	42.19	41.89	0.74	1.74	1.04	2.42	0.49	0.64	30.0	20.0	10.0	
7th		42.93	30.05	34.34	38.64	42.69	42.68	0.24	0.56	0.25	0.58	43.81	42.49	-	-	0.44	1.02	0.12	0.34	30.0	20.0	10.0	
6th		43.00	30.10	34.40	38.70	43.85	43.71	-	-	-	-	44.05	42.07	-	-	0.93	2.16	-	0.47	30.0	20.0	10.0	
5th		46.48	32.54	37.18	41.83	47.82	48.79	-	-	-	-	48.17	49.30	-	-	-	-	-	-	30.0	20.0	10.0	
4th		42.93	30.05	34.34	38.64	43.19	43.69	-	-	-	-	42.87	43.34	0.06	0.14	-	-	0.03	-	30.0	20.0	10.0	
3rd		31.75	22.23	25.40	28.58	32.55	32.09	-	-	-	-	31.85	33.07	-	-	-	-	-	-	30.0	20.0	10.0	
2nd		31.75	22.23	25.40	28.58	31.67	31.86	0.08	0.25	-	-	32.09	33.52	-	-	-	-	0.04	-	30.0	20.0	10.0	
1st		41.15	28.81	32.92	37.04	42.51	42.61	-	-	-	-	41.97	41.78	-	-	-	-	-	-	30.0	20.0	10.0	
Amidships		31.75	22.23	25.40	28.58	30.05	32.59	1.70	5.35	-	-	31.69	31.79	0.06	0.19	-	-	0.88	-	30.0	20.0	10.0	
1st		31.75	22.23	25.40	28.58	29.78	31.87	1.97	6.20	-	-	32.08	32.41	-	-	-	-	0.98	-	30.0	20.0	10.0	
2nd		31.75	22.23	25.40	28.58	32.08	32.18	-	-	-	-	31.95	31.87	-	-	-	-	-	-	30.0	20.0	10.0	
3rd		31.75	22.23	25.40	28.58	31.87	32.69	-	-	-	-	32.61	33.18	-	-	-	-	-	-	30.0	20.0	10.0	
4th		38.10	26.67	30.48	34.29	37.91	38.14	0.19	0.50	-	-	39.81	38.19	-	-	-	-	0.10	-	30.0	20.0	10.0	
5th		38.10	26.67	30.48	34.29	39.17	37.15	-	-	0.95	2.49	38.07	37.94	0.03	0.08	0.16	0.42	0.02	0.56	30.0	20.0	10.0	
6th		38.10	26.67	30.48	34.29	37.97	38.26	0.13	0.34	-	-	38.07	38.31	0.03	0.08	-	-	0.08	-	30.0	20.0	10.0	
7th		38.10	26.67	30.48	34.29	37.99	38.07	0.11	0.29	0.03	0.08	38.21	38.07	-	-	0.03	0.08	0.05	0.03	30.0	20.0	10.0	
8th		38.10	26.67	30.48	34.29	39.07	38.67	-	-	-	-	38.01	38.19	0.09	0.24	-	-	0.05	-	30.0	20.0	10.0	
9th		38.10	26.67	30.48	34.29	37.98	38.19	0.12	0.31	-	-	38.61	37.19	-	-	0.91	2.39	0.06	0.46	30.0	20.0	10.0	
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bottom Shell Strake 'D'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th		42.93	30.05	34.34	38.64	43.28	42.09	-	-	0.84	1.96	42.91	42.64	0.02	0.05	0.29	0.68	0.01	0.56	30.0	20.0	10.0	
9th		43.00	30.10	34.40	38.70	43.97	43.28	-	-	-	-	42.39	42.60	0.61	1.42	0.40	0.93	0.31	0.20	30.0	20.0	10.0	
8th		43.00	30.10	34.40	38.70	42.58	44.19	0.42	0.98	-	-	43.69	43.39	-	-	-	-	0.21	-	30.0	20.0	10.0	
7th		46.48	32.54	37.18	41.83	47.09	46.93	-	-	-	-	46.13	48.91	0.35	0.75	-	-	0.17	-	30.0	20.0	10.0	
6th		31.75	22.23	25.40	28.58	32.18	31.09	-	-	0.66	2.08	32.97	33.06	-	-	-	-	-	0.33	30.0	20.0	10.0	
5th		25.40	17.78	20.32	22.86	24.79	25.71	0.61	2.40	-	-	26.39	25.19	-	-	0.21	0.83	0.31	0.10	30.0	20.0	10.0	
4th		41.15	28.81	32.92	37.04	40.19	40.91	0.96	2.33	0.24	0.58	40.89	40.69	0.26	0.63	0.46	1.12	0.61	0.35	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	24.97	25.97	0.43	1.69	-	-	25.30	25.42	0.10	0.39	-	-	0.26	-	30.0	20.0	10.0	
2nd		25.40	17.78	20.32	22.86	25.34	26.14	0.06	0.24	-	-	25.79	27.19	-	-	-	-	0.03	-	30.0	20.0	10.0	
1st		41.15	28.81	32.92	37.04	43.28	41.69	-	-	-	-	40.89	42.63	0.26	0.63	-	-	0.13	-	30.0	20.0	10.0	
Amidships		25.40	17.78	20.32	22.86	26.39	26.91	-	-	-	-	25.19	25.41	0.21	0.83	-	-	0.10	-	30.0	20.0	10.0	
1st		25.40	17.78	20.32	22.86	25.91	25.88	-	-	-	-	24.69	25.30	0.71	2.80	0.10	0.38	0.35	0.05	30.0	20.0	10.0	
2nd		41.15	28.81	32.92	37.04	42.91	43.19	-	-	-	-	40.59	41.34	0.56	1.36	-	-	0.28	-	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	24.69	24.58	0.71	2.80	0.82	3.23	25.31	25.24	0.09	0.35	0.16	0.63	0.40	0.49	30.0	20.0	10.0	
4th		25.40	17.78	20.32	22.86	25.69	25.19	-	-	0.21	0.83	24.69	25.74	0.71	2.80	-	-	0.35	0.10	30.0	20.0	10.0	
5th		31.75	22.23	25.40	28.58	32.36	32.19	-	-	-	-	32.36	31.62	-	-	0.13	0.41	-	0.06	30.0	20.0	10.0	
6th		38.10	26.67	30.48	34.29	39.28	39.21	-	-	-	-	38.55	39.61	-	-	-	-	-	-	30.0	20.0	10.0	
7th		38.10	26.67	30.48	34.29	37.89	37.69	0.21	0.55	0.41	1.08	38.05	37.00	0.05	0.13	1.10	2.89	0.13	0.76	30.0	20.0	10.0	
8th																							
9th																							
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bottom Shell Strake 'C'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th			43.00	30.10	34.40	38.70	43.25	42.61	-	-	0.39	0.91	42.39	44.18	0.61	1.42	-	-	0.31	0.20	30.0	20.0	10.0
8th			43.00	30.10	34.40	38.70	42.69	43.58	0.31	0.72	-	-	43.57	43.51	-	-	-	-	0.16	-	30.0	20.0	10.0
7th			43.00	30.10	34.40	38.70	42.84	41.97	0.16	0.37	1.03	2.40	43.96	42.38	-	-	0.62	1.44	0.08	0.82	30.0	20.0	10.0
6th			50.80	35.56	40.64	45.72	51.28	52.91	-	-	-	-	53.47	50.36	-	-	0.44	0.87	-	0.22	30.0	20.0	10.0
5th			42.93	30.05	34.34	38.64	42.97	41.39	-	-	1.54	3.59	43.81	42.64	-	-	0.29	0.68	-	0.91	30.0	20.0	10.0
4th			31.75	22.23	25.40	28.58	32.41	32.91	-	-	-	-	32.68	32.76	-	-	-	-	-	-	30.0	20.0	10.0
3rd			25.40	17.78	20.32	22.86	26.03	25.17	-	-	0.23	0.91	25.69	26.91	-	-	-	-	-	0.11	30.0	20.0	10.0
2nd			19.05	13.34	15.24	17.15	18.69	19.07	0.36	1.89	-	-	18.79	19.33	0.26	1.36	-	-	0.31	-	30.0	20.0	10.0
1st			41.15	28.81	32.92	37.04	40.87	41.52	0.28	0.68	-	-	41.30	42.47	-	-	-	-	0.14	-	30.0	20.0	10.0
Amidships			19.05	13.34	15.24	17.15	18.74	18.71	0.31	1.63	0.34	1.78	19.09	18.37	-	-	0.68	3.57	0.16	0.51	30.0	20.0	10.0
1st			19.05	13.34	15.24	17.15	18.49	18.34	0.56	2.94	0.71	3.73	18.20	18.66	0.85	4.46	0.39	2.05	0.71	0.55	30.0	20.0	10.0
2nd			41.15	28.81	32.92	37.04	41.08	40.69	0.07	0.17	0.46	1.12	40.51	40.97	0.64	1.56	0.18	0.44	0.36	0.32	30.0	20.0	10.0
3rd			19.05	13.34	15.24	17.15	18.68	18.71	0.37	1.94	0.34	1.78	19.07	18.67	-	-	0.38	1.99	0.19	0.36	30.0	20.0	10.0
4th			25.40	17.78	20.32	22.86	25.25	24.85	0.15	0.59	0.55	2.17	24.60	24.57	0.80	3.15	0.83	3.27	0.47	0.69	30.0	20.0	10.0
5th			25.40	17.78	20.32	22.86	24.97	26.18	0.43	1.69	-	-	27.48	26.97	-	-	-	-	0.22	-	30.0	20.0	10.0
6th			38.10	26.67	30.48	34.29	39.47	38.51	-	-	-	-	37.98	38.61	0.12	0.31	-	-	0.06	-	30.0	20.0	10.0
7th																							
8th																							
9th																							
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bottom Shell Strake 'B'																							
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S								
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S					
12th forward																								
11th																								
10th																								
9th																								
8th																								
7th																								
6th																								
5th		42.93	30.05	34.34	38.64	43.56	42.82	-	-		0.11	0.26	41.98	42.60	0.95	2.21	0.33	0.77	0.48	0.22	30.0	20.0	10.0	
4th		31.75	22.23	25.40	28.58	32.19	32.07	-	-	-	-		31.47	31.65	0.28	0.88	0.10	0.31	0.14	0.05	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	25.26	25.71	0.14	0.55	-	-		25.39	26.17	0.01	0.04	-	-	0.07	-	30.0	20.0	10.0	
2nd		19.05	13.34	15.24	17.15	18.69	18.49	0.36	1.89		0.56	2.94	18.02	18.71	1.03	5.42	0.34	1.78	0.70	0.45	30.0	20.0	10.0	
1st		19.05	13.34	15.24	17.15	18.69	19.07	0.36	1.89	-	-		19.24	18.69	-	-	0.36	1.89	0.18	0.18	30.0	20.0	10.0	
Amidships		19.05	13.34	15.24	17.15	19.28	18.47	-	-		0.58	3.04	18.63	18.51	0.42	2.20	0.54	2.83	0.21	0.56	30.0	20.0	10.0	
1st		19.05	13.34	15.24	17.15	19.00	18.64	0.05	0.26		0.41	2.16	18.79	19.34	0.26	1.36	-	-	0.16	0.21	30.0	20.0	10.0	
2nd		19.05	13.34	15.24	17.15	19.28	19.04	-	-		0.01	0.05	18.69	19.36	0.36	1.89	-	-	0.18	0.01	30.0	20.0	10.0	
3rd		19.05	13.34	15.24	17.15	18.69	18.49	0.36	1.89		0.56	2.94	18.91	19.28	0.14	0.73	-	-	0.25	0.28	30.0	20.0	10.0	
4th		38.10	26.67	30.48	34.29	39.48	38.46	-	-	-	-		38.17	37.63	-	-	0.47	1.23	-	0.23	30.0	20.0	10.0	
5th		38.10	26.67	30.48	34.29	39.27	38.64	-	-	-	-		39.06	38.55	-	-	-	-	-	-	30.0	20.0	10.0	
6th		38.10	26.67	30.48	34.29	38.39	37.59	-	-		0.51	1.34	36.90	37.80	1.20	3.15	0.30	0.79	0.60	0.41	30.0	20.0	10.0	
7th																								
8th																								
9th																								
10th																								
11th																								
12th aft																								

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bottom Shell Strake 'A'																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th																							
8th																							
7th																							
6th																							
5th		42.93	30.05	34.34	38.64	42.68	42.81	0.25	0.58	0.12	0.28	41.29	42.09	1.64	3.82	0.84	1.96	0.95	0.48	30.0	20.0	10.0	
4th		31.75	22.23	25.40	28.58	33.51	32.57	-	-	-	-	33.09	32.71	-	-	-	-	-	-	30.0	20.0	10.0	
3rd		25.40	17.78	20.32	22.86	25.03	24.84	0.37	1.46	0.56	2.20	25.43	25.66	-	-	-	-	0.18	0.28	30.0	20.0	10.0	
2nd		19.05	13.34	15.24	17.15	19.00	19.48	0.05	0.26	-	-	18.19	18.79	0.86	4.51	0.26	1.36	0.46	0.13	30.0	20.0	10.0	
1st		19.05	13.34	15.24	17.15	18.97	18.90	0.08	0.42	0.15	0.79	19.24	18.69	-	-	0.36	1.89	0.04	0.26	30.0	20.0	10.0	
Amidships		19.05	13.34	15.24	17.15	19.24	18.46	-	-	0.59	3.10	19.03	19.34	0.02	0.10	-	-	0.01	0.30	30.0	20.0	10.0	
1st		19.05	13.34	15.24	17.15	19.32	20.78	-	-	-	-	18.84	19.47	0.21	1.10	-	-	0.11	-	30.0	20.0	10.0	
2nd		19.05	13.34	15.24	17.15	19.05	20.08	-	-	-	-	18.64	18.69	0.41	2.15	0.36	1.89	0.21	0.18	30.0	20.0	10.0	
3rd		19.05	13.34	15.24	17.15	18.33	18.52	0.72	3.78	0.53	2.78	19.06	18.57	-	-	0.48	2.52	0.36	0.51	30.0	20.0	10.0	
4th		25.40	17.78	20.32	22.86	23.26	23.37	2.14	8.43	2.03	7.99	24.69	25.17	0.71	2.80	0.23	0.91	1.43	1.13	30.0	20.0	10.0	
5th		25.40	17.78	20.32	22.86	25.94	25.79	-	-	-	-	24.69	25.31	0.71	2.80	0.09	0.35	0.35	0.04	30.0	20.0	10.0	
6th		38.10	26.67	30.48	34.29	37.34	39.04	0.76	1.99	-	-	39.71	39.19	-	-	-	-	0.38	-	30.0	20.0	10.0	
7th																							
8th																							
9th																							
10th																							
11th																							
12th aft																							

Operator's Signature:	Surveyor's Signature:
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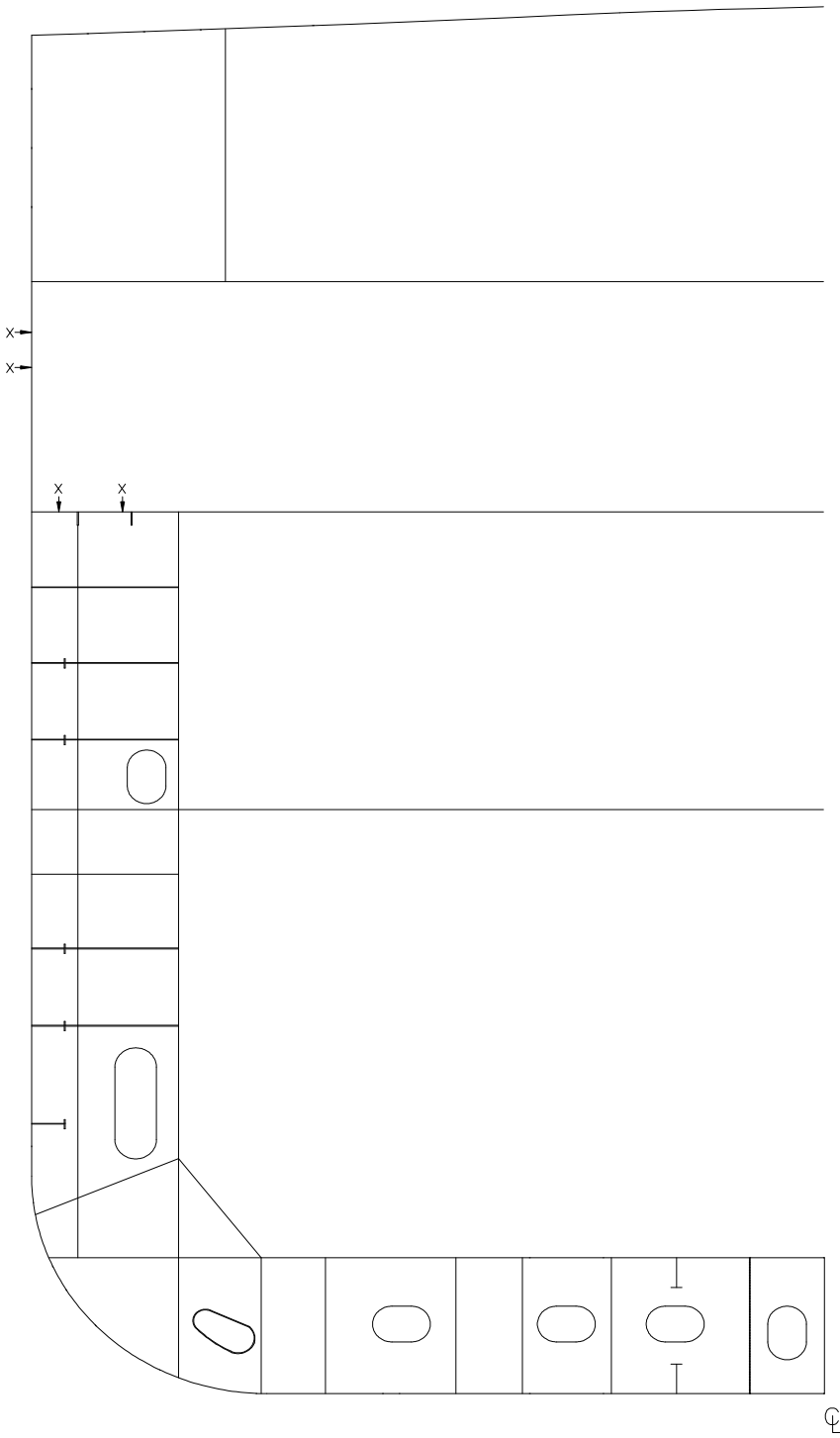
REPORT ON THICKNESS MEASUREMENT OF ALL SHELL PLATING

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRAKE POSITION	Bottom Shell Keel Strake																						
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	FORWARD READING						AFT READING						MEAN DIMINUTION		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						GAUGED		DIMINUTION P		DIMINUTION S		GAUGED		DIMINUTION P		DIMINUTION S							
						P	S	mm	%	mm	%	P	S	mm	%	mm	%	P	S				
12th forward																							
11th																							
10th																							
9th																							
8th																							
7th		50.80	35.56	40.64	45.72	52.76	52.39	-	-	-	-	52.14	51.97	-	-	-	-	-	-	30.0	20.0	10.0	
6th		42.93	30.05	34.34	38.64	40.45	42.97	2.48	5.78	-	-	39.79	43.43	3.14	7.31	-	-	2.81	-	30.0	20.0	10.0	
5th		31.75	22.23	25.40	28.58	30.33	30.47	1.42	4.47		1.28	4.03	29.33	29.30	2.42	7.62	2.45	7.72	1.92	1.87	30.0	20.0	10.0
4th		25.40	17.78	20.32	22.86	25.63	24.07	-	-		1.33	5.24	23.32	25.07	2.08	8.19	0.33	1.30	1.04	0.83	30.0	20.0	10.0
3rd		19.05	13.34	15.24	17.15	18.01	17.94	1.04	5.46		1.11	5.83	18.02	18.41	1.03	5.41	0.64	3.36	1.04	0.88	30.0	20.0	10.0
2nd		19.05	13.34	15.24	17.15	17.28	17.62	1.77	9.29		1.43	7.51	17.86	18.33	1.19	6.25	0.72	3.78	1.48	1.08	30.0	20.0	10.0
1st		19.05	13.34	15.24	17.15	17.27	17.40	1.78	9.34		1.65	8.66	18.74	18.47	0.31	1.63	0.58	3.04	1.05	1.12	30.0	20.0	10.0
Amidships		19.05	13.34	15.24	17.15	17.71	18.47	1.34	7.03		0.58	3.04	18.99	18.65	0.06	0.31	0.40	2.10	0.70	0.49	30.0	20.0	10.0
1st		19.05	13.34	15.24	17.15	17.88	18.39	1.17	6.14		0.66	3.46	18.12	18.78	0.93	4.88	0.27	1.42	1.05	0.47	30.0	20.0	10.0
2nd		19.05	13.34	15.24	17.15	17.87	18.39	1.18	6.19		0.66	3.46	18.17	18.31	0.88	4.62	0.74	3.88	1.03	0.70	30.0	20.0	10.0
3rd		19.05	13.34	15.24	17.15	17.00	18.07	2.05	10.76		0.98	5.14	18.31	18.06	0.74	3.88	0.99	5.20	1.40	0.99	30.0	20.0	10.0
4th		19.05	13.34	15.24	17.15	18.97	18.64	0.08	0.42		0.41	2.15	18.94	18.34	0.11	0.58	0.71	3.73	0.10	0.56	30.0	20.0	10.0
5th		25.40	17.78	20.32	22.86	23.90	25.19	1.50	5.91		0.21	0.83	24.87	25.37	0.53	2.09	0.03	0.12	1.02	0.12	30.0	20.0	10.0
6th																							
7th																							
8th																							
9th																							
10th																							
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Operator's Signature:	Surveyor's Signature:
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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION

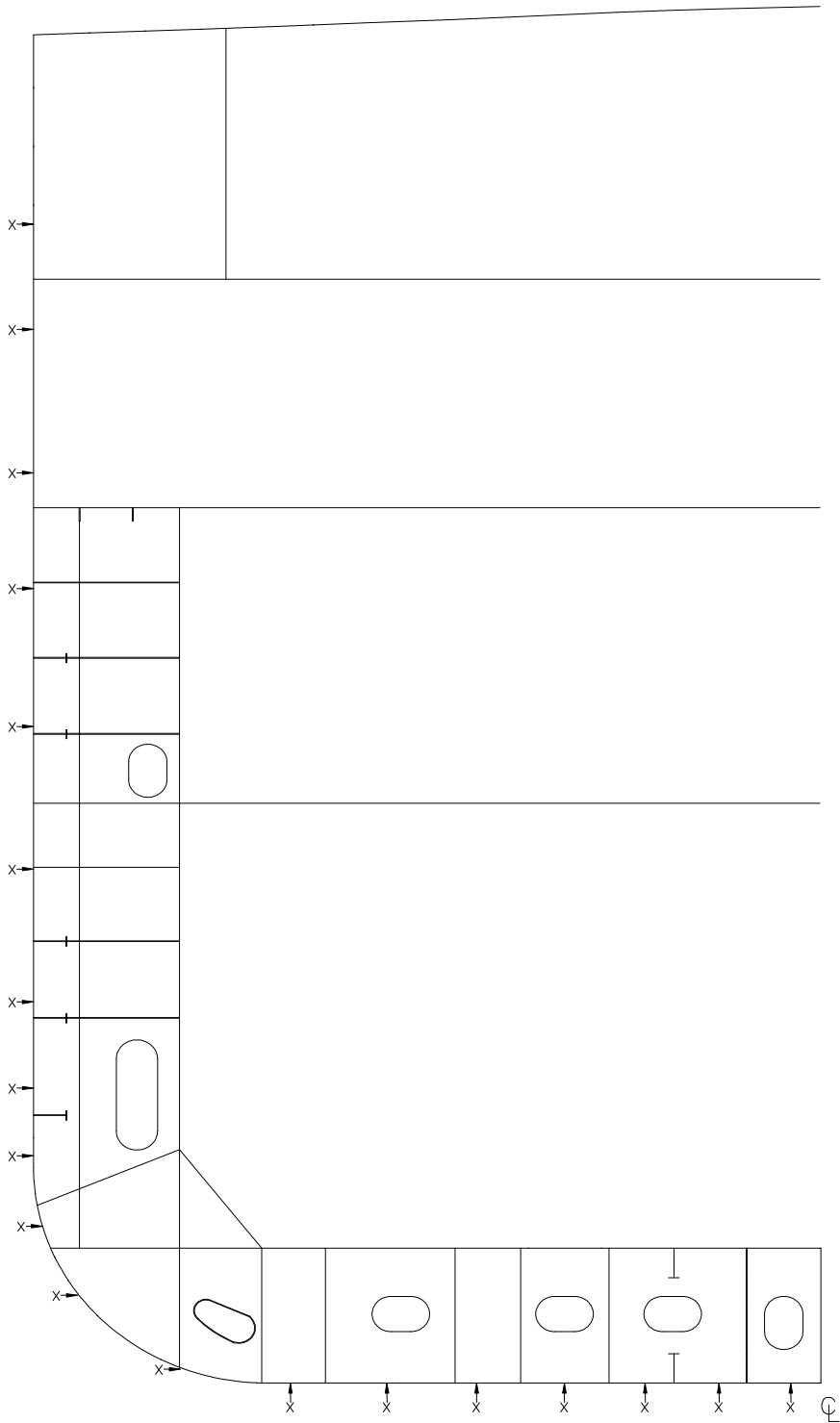


Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

STRAKE POSITION	STRENGTH DECK AND SHEERSTRAKE PLATING																																			
	FIRST TRANSVERSE SECTION AT FRAME 65											SECOND TRANSVERSE SECTION AT FRAME 91									THIRD TRANSVERSE SECTION AT FRAME 120															
	NO.	ORG.	Class	Class	Class			DIMINUTION		DIMINUTION		NO.	ORG.	Class	Class	Class			DIMINUTION		DIMINUTION		NO.	ORG.	Class	Class	Class			DIMINUTION		DIMINUTION		MAX	MAX	MAX
	OR	THK.	Min. THK	2SS	1SS	GAUGED		P		S		OR	THK.	Min. THK	2SS	1SS	GAUGED		P		S		OR	THK.	Min. THK	2SS	1SS	GAUGED		P		S		ALLOW	2SS	1SS
LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	DIM %	DIM %	DIM %	
Stringer Plate		8.73	6.11	6.98	7.86	8.97	8.74	-	-	-	-		8.73	6.11	6.98	7.86	8.94	8.69	-	-	0.04	0.46		8.73	6.11	6.98	7.86	8.91	9.03	-	-	-	-	30	20.0	10.0
1st strake ib																																				
2nd																																				
3rd																																				
4th																																				
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13th																																				
14th																																				
Centre Strake																																				
Sheer Strake		12.70	8.89	10.16	11.43	13.01	12.74	-	-	-	-		12.70	8.89	10.16	11.43	12.69	12.97	0.01	0.08	-	-		12.70	8.89	10.16	11.43	12.68	12.94	0.02	0.16	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



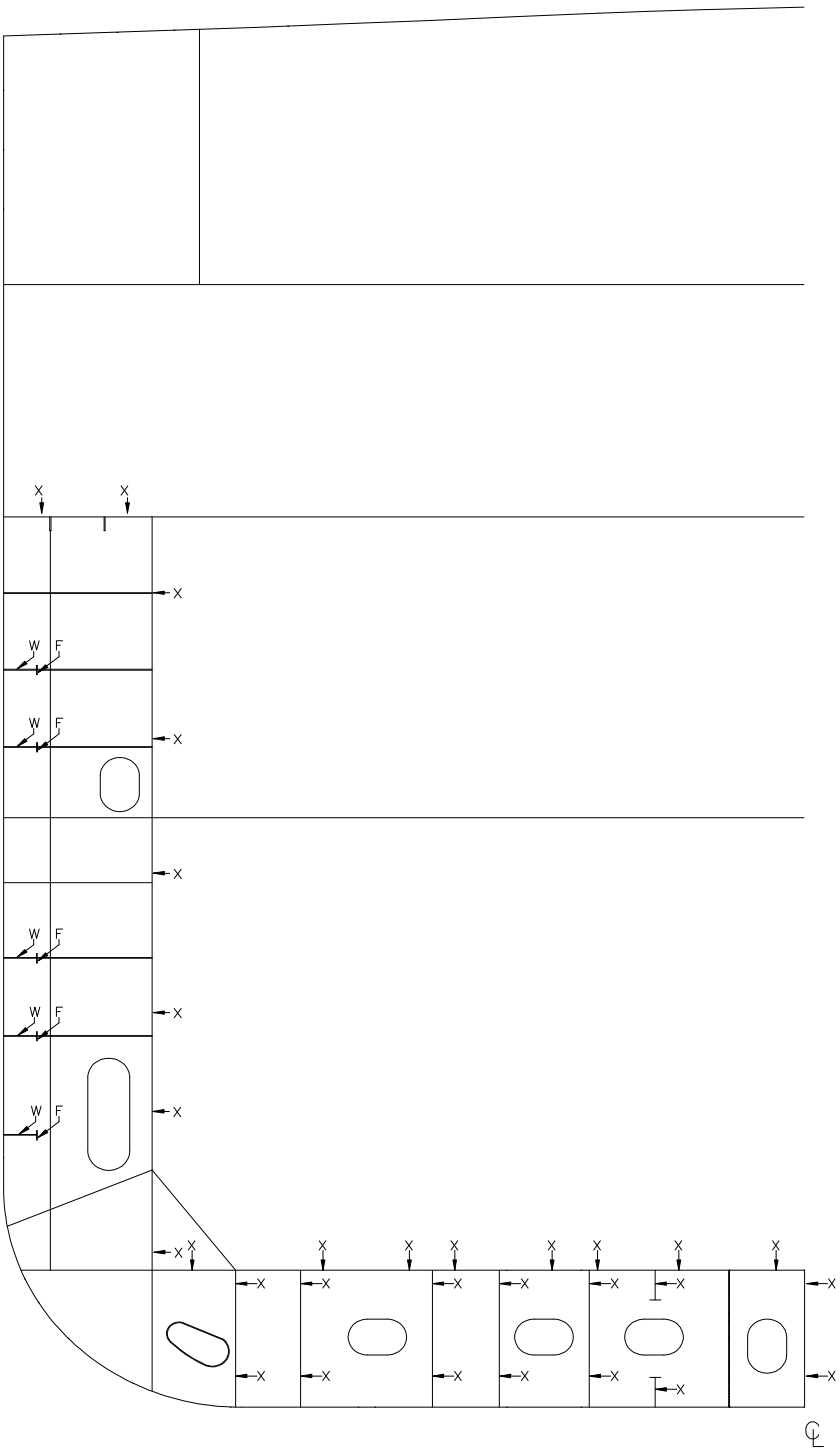
**REPORT ON THICKNESS MEASUREMENT OF SHELL AND DECK PLATING
(ONE, TWO OR THREE TRANSVERSE SECTIONS)**

Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

	SHELL PLATING																																					
FIRST TRANSVERSE SECTION AT FRAME 65												SECOND TRANSVERSE SECTION AT FRAME 91												THIRD TRANSVERSE SECTION AT FRAME 120														
STRAKE	NO.	ORG.	Class	Class	Class							NO.	ORG.	Class	Class	Class							NO.	ORG.	Class	Class	Class							30	MAX	MAX		
POSITION	OR	THK.	Min. THK.	2SS	1SS	GAUGED		P		S		OR	THK.	Min. THK.	2SS	1SS	GAUGED		P		S		OR	THK.	Min. THK.	2SS	1SS	GAUGED		P		S		ALLOW	2SS	1SS		
below sheer	LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	LETTER	mm	mm	mm	mm	P	S	mm	%	mm	%	DIM %	DIM %	DIM		
upr	H	38.10	26.67	30.48	34.29	37.91	38.43	0.19	0.50	-	-	H	41.15	28.81	32.92	37.04	42.61	42.86	-	-	-	-		41.15	24.22	32.92	37.04	41.28	43.14	-	-	-	-	30	20.0	10.0		
lwr	H	38.10	26.67	30.48	34.29	36.04	37.57	2.06	5.41	0.53	1.39	H	41.15	28.81	32.92	37.04	41.49	41.86	-	-	-	-		41.15	24.22	32.92	37.04	40.06	41.93	1.09	2.65	-	-	30	20.0	10.0		
upr	G	38.10	26.67	30.48	34.29	37.17	36.38	0.93	2.44	1.72	4.51	G	41.15	28.81	32.92	37.04	42.00	41.54	-	-	-	-		41.15	24.22	32.92	37.04	40.32	41.39	0.83	2.02	-	-	30	20.0	10.0		
lwr	G	38.10	26.67	30.48	34.29	36.97	36.66	1.13	2.97	1.44	3.78	G	41.15	28.81	32.92	37.04	40.26	39.51	0.89	2.16	1.64	3.99		41.15	24.22	32.92	37.04	41.00	39.95	0.15	0.36	1.20	2.92	30	20.0	10.0		
upr	F	38.10	26.67	30.48	34.29	37.48	36.77	0.62	1.63	1.33	3.49	F	50.80	35.56	40.64	45.72	48.63	47.65	2.17	4.27	3.15	6.20		41.15	24.22	32.92	37.04	39.63	39.49	1.52	3.69	1.66	4.03	30	20.0	10.0		
lwr	F	38.10	26.67	30.48	34.29	38.05	37.38	0.05	0.13	0.72	1.89	F	50.80	35.56	40.64	45.72	47.75	48.49	3.05	6.00	2.31	4.55		41.15	24.22	32.92	37.04	42.27	41.88	-	-	-	-	30	20.0	10.0		
upr	E	31.75	22.23	25.40	28.58	31.55	32.31	0.20	0.63	-	-	E	41.15	28.81	32.92	37.04	41.97	40.52	-	-	0.63	1.53		31.75	21.67	25.40	28.58	30.54	31.00	1.21	3.81	0.75	2.36	30	20.0	10.0		
lwr	E	31.75	22.23	25.40	28.58	33.17	32.58	-	-	-	-	E	41.15	28.81	32.92	37.04	41.33	39.28	-	-	1.87	4.54		31.75	21.67	25.40	28.58	30.78	32.01	0.97	3.06	-	-	30	20.0	10.0		
ob	D	25.40	17.78	20.32	22.86	25.18	25.32	0.22	0.87	0.08	0.31	D	41.15	28.81	32.92	37.04	39.56	40.06	1.59	3.86	1.09	2.65		25.40	18.95	20.32	22.86	24.78	24.67	0.62	2.44	0.73	2.87	30	20.0	10.0		
ib	D	25.40	17.78	20.32	22.86	25.24	25.11	0.16	0.63	0.29	1.14	D	41.15	28.81	32.92	37.04	39.61	40.20	1.54	3.74	0.95	2.31		25.40	18.95	20.32	22.86	24.67	24.70	0.73	2.87	0.70	2.76	30	20.0	10.0		
ob	C	19.05	13.34	15.24	17.15	18.24	18.19	0.81	4.25	0.86	4.51	C	41.15	28.81	32.92	37.04	40.82	40.35	0.33	0.80	0.80	1.94		25.40	18.95	20.32	22.86	25.16	24.56	0.24	0.94	0.84	3.31	30	20.0	10.0		
ib	C	19.05	13.34	15.24	17.15	18.30	18.14	0.75	3.94	0.91	4.78	C	41.15	28.81	32.92	37.04	39.64	39.47	1.51	3.67	1.68	4.08		25.40	18.95	20.32	22.86	24.82	24.73	0.58	2.28	0.67	2.64	30	20.0	10.0		
ob	B	19.05	13.34	15.24	17.15	18.31	21.33	0.74	3.88	-	-	B	19.05	13.34	15.24	17.15	18.82	18.09	0.23	1.21	0.96	5.04		25.40	18.95	20.32	22.86	24.44	24.06	0.96	3.78	1.34	5.28	30	20.0	10.0		
ib	B	19.05	13.34	15.24	17.15	18.28	19.36	0.77	4.04	-	-	B	19.05	13.34	15.24	17.15	18.47	18.56	0.58	3.04	0.49	2.57		25.40	18.95	20.32	22.86	24.76	25.55	0.64	2.52	-	-	30	20.0	10.0		
ob	A	19.05	13.34	15.24	17.15	18.35	18.75	0.70	3.67	0.30	1.57	A	19.05	13.34	15.24	17.15	18.98	18.33	0.07	0.37	0.72	3.78		25.40	18.95	20.32	22.86	24.25	24.24	1.15	4.53	1.16	4.57	30	20.0	10.0		
ib	A	19.05	13.34	15.24	17.15	18.36	18.32	0.69	3.62	0.73	3.83	A	19.05	13.34	15.24	17.15	18.91	18.44	0.14	0.73	0.61	3.20		25.40	18.95	20.32	22.86	24.43	24.87	0.97	3.82	0.53	2.09	30	20.0	10.0		
Keel strake		19.05	13.34	15.24	17.15	18.23	18.31	0.82	4.30	0.74	3.88		19.05	13.34	15.24	17.15	18.31	18.54	0.74	3.88	0.51	2.68		25.40	18.95	20.32	22.86	24.22	25.48	1.18	4.65	-	-	30	20.0	10.0		

Operator's Signature:	Surveyor's Signature:
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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

[illegible]

Operator's Signature:	Surveyor's Signature:
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Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

	FIRST TRANSVERSE SECTION AT FRAME 120										SECOND TRANSVERSE SECTION AT FRAME 91										THIRD TRANSVERSE SECTION AT FRAME 65															
STRUCTURAL MEMBER	ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
		mm	mm	mm	mm	P	S	mm	%	mm	%		mm	mm	mm	mm	P	S	mm	%	mm	%		mm	mm	mm	mm	P	S	mm	%	mm	%			
Inner bottom																																				
Girders																																				
centerline	upr	12.70	8.89	10.16	11.43	13.08	13.07	-	-	-	-	upr	12.70	8.89	10.16	11.43	13.02	13.14	-	-	-	-	upr	12.70	8.89	10.16	11.43	13.09	13.21	-	-	-	-	30	20.0	10.0
	lwr	12.70	8.89	10.16	11.43	13.00	12.97	-	-	-	-	lwr	12.70	8.89	10.16	11.43	12.96	13.09	-	-	-	-	lwr	12.70	8.89	10.16	11.43	13.39	13.04	-	-	-	-	30	20.0	10.0
1st off cl	upr	15.88	11.12	12.70	14.29	16.61	16.52	-	-	-	-	upr	15.88	11.12	12.70	14.29	16.66	16.07	-	-	-	-	upr	15.88	11.12	12.70	14.29	15.91	16.64	-	-	-	-	30	20.0	10.0
	lwr	15.88	11.12	12.70	14.29	15.63	16.51	0.25	1.57	-	-	lwr	15.88	11.12	12.70	14.29	16.76	16.18	-	-	-	-	lwr	15.88	11.12	12.70	14.29	16.26	16.58	-	-	-	-	30	20.0	10.0
2nd off cl	upr	15.88	11.12	12.70	14.29	15.99	16.10	-	-	-	-	upr	15.88	11.12	12.70	14.29	16.06	16.64	-	-	-	-	upr	15.88	11.12	12.70	14.29	16.78	16.75	-	-	-	-	30	20.0	10.0
	lwr	15.88	11.12	12.70	14.29	16.07	16.17	-	-	-	-	lwr	15.88	11.12	12.70	14.29	16.09	16.13	-	-	-	-	lwr	15.88	11.12	12.70	14.29	16.29	16.27	-	-	-	-	30	20.0	10.0
3rd off cl	upr	15.88	11.12	12.70	14.29	15.82	16.04	0.06	0.38	-	-	upr	15.88	11.12	12.70	14.29	16.89	16.12	-	-	-	-	upr	15.88	11.12	12.70	14.29	16.29	16.75	-	-	-	-	30	20.0	10.0
	lwr	15.88	11.12	12.70	14.29	15.85	16.06	0.03	0.19	-	-	lwr	15.88	11.12	12.70	14.29	16.80	16.62	-	-	-	-	lwr	15.88	11.12	12.70	14.29	16.18	16.53	-	-	-	-	30	20.0	10.0
4th off cl	upr	15.88	11.12	12.70	14.29	15.79	15.58	0.09	0.57	0.30	1.89	upr	15.88	11.12	12.70	14.29	16.06	16.01	-	-	-	-	upr	15.88	11.12	12.70	14.29	16.06	16.14	-	-	-	-	30	20.0	10.0
	lwr	15.88	11.12	12.70	14.29	15.81	16.10	0.07	0.44	-	-	lwr	15.88	11.12	12.70	14.29	16.48	16.81	-	-	-	-	lwr	15.88	11.12	12.70	14.29	16.25	16.37	-	-	-	-	30	20.0	10.0
5th off cl	upr	9.53	6.67	7.62	8.58	12.67	9.63	-	-	-	-	upr	9.53	6.67	7.62	8.58	9.47	9.44	0.06	0.63	0.09	0.94	upr	9.53	6.67	7.62	8.58	9.50	9.61	0.03	0.31	-	-	30	20.0	10.0
	lwr	9.53	6.67	7.62	8.58	12.31	9.63	-	-	-	-	lwr	9.53	6.67	7.62	8.58	9.48	9.51	0.05	0.52	0.02	0.21	lwr	9.53	6.67	7.62	8.58	9.64	9.62	-	-	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

	FIRST TRANSVERSE SECTION AT FRAME 120											SECOND TRANSVERSE SECTION AT FRAME 91											THIRD TRANSVERSE SECTION AT FRAME 65													
STRUCTURAL MEMBER	ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ITEM No.	ORG. THK.	Class Min. THK	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
		mm	mm	mm	mm	P	S	mm	%	mm	%		mm	mm	mm	mm	P	S	mm	%	mm	%		mm	mm	mm	mm	P	S	mm	%	mm	%			
Side tanks																																				
top shell strg.	web	12.70	9.53	10.58	11.64	12.63	12.68	0.07	0.55	0.02	0.16	web	12.70	9.53	10.58	11.64	12.64	12.63	0.06	0.47	0.07	0.55	web	12.70	9.53	10.58	11.64	12.55	12.69	0.15	1.18	0.01	0.08	25	16.7	8.3
	flg	19.05	14.29	15.88	17.46	19.17	19.27	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.16	19.07	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.19	19.06	-	-	-	-	25	16.7	8.3
2nd shell strg.	web	12.70	9.53	10.58	11.64	12.86	13.04	-	-	-	-	web	12.70	9.53	10.58	11.64	12.80	13.20	-	-	-	-	web	12.70	9.53	10.58	11.64	12.77	13.13	-	-	-	-	25	16.7	8.3
	flg	19.05	14.29	15.88	17.46	19.08	19.10	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.19	19.14	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.06	19.09	-	-	-	-	25	16.7	8.3
3rd shell strg.	web	12.70	9.53	10.58	11.64	12.83	13.02	-	-	-	-	web	12.70	9.53	10.58	11.64	12.80	12.87	-	-	-	-	web	12.70	9.53	10.58	11.64	12.85	12.68	-	-	0.02	0.16	25	16.7	8.3
	flg	19.05	14.29	15.88	17.46	19.01	18.96	0.04	0.21	0.09	0.47	flg	19.05	14.29	15.88	17.46	19.05	19.00	-	-	0.05	0.26	flg	19.05	14.29	15.88	17.46	18.98	19.14	0.07	0.37	-	-	25	16.7	8.3
4th shell strg.	web	12.70	9.53	10.58	11.64	12.97	12.94	-	-	-	-	web	12.70	9.53	10.58	11.64	13.07	13.06	-	-	-	-	web	12.70	9.53	10.58	11.64	12.97	12.81	-	-	-	-	25	16.7	8.3
	flg	19.05	14.29	15.88	17.46	19.56	19.00	-	-	0.05	0.26	flg	19.05	14.29	15.88	17.46	19.14	19.12	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.12	19.09	-	-	-	-	25	16.7	8.3
bottom shell strg.	web	12.70	9.53	10.58	11.64	13.24	12.92	-	-	-	-	web	12.70	9.53	10.58	11.64	13.12	13.09	-	-	-	-	web	12.70	9.53	10.58	11.64	13.09	12.97	-	-	-	-	25	16.7	8.3
	flg	19.05	14.29	15.88	17.46	19.05	19.01	-	-	0.04	0.21	flg	19.05	14.29	15.88	17.46	19.08	19.08	-	-	-	-	flg	19.05	14.29	15.88	17.46	19.09	19.10	-	-	-	-	25	16.7	8.3
main deck	ob	11.91	8.34	9.53	10.72	12.08	11.78	-	-	0.13	1.09	ob	11.91	8.34	9.53	10.72	12.23	11.89	-	-	0.02	0.17	ob	11.91		9.53	10.72	12.00	12.13	-	-	-	-	30	20.0	10.0
	ib	11.91	8.34	9.53	10.72	12.09	11.95	-	-	-	-	ib	11.91	8.34	9.53	10.72	12.27	11.94	-	-	-	-	ib	11.91		9.53	10.72	12.03	12.16	-	-	-	-	30	20.0	10.0
full strg.	ob	11.91	8.93	9.93	10.92	11.86	11.81	0.05	0.42	0.10	0.84	ob	11.91	8.93	9.93	10.92	11.96	12.14	-	-	-	-	ob	11.91		9.93	10.92	11.74	11.63	0.17	1.43	0.28	2.35	25	16.7	8.3
	ib	11.91	8.93	9.93	10.92	11.84	11.84	0.07	0.59	0.07	0.59	ib	11.91	8.93	9.93	10.92	12.03	12.14	-	-	-	-	ib	11.91		9.93	10.92	11.70	11.71	0.21	1.76	0.20	1.68	25	16.7	8.3

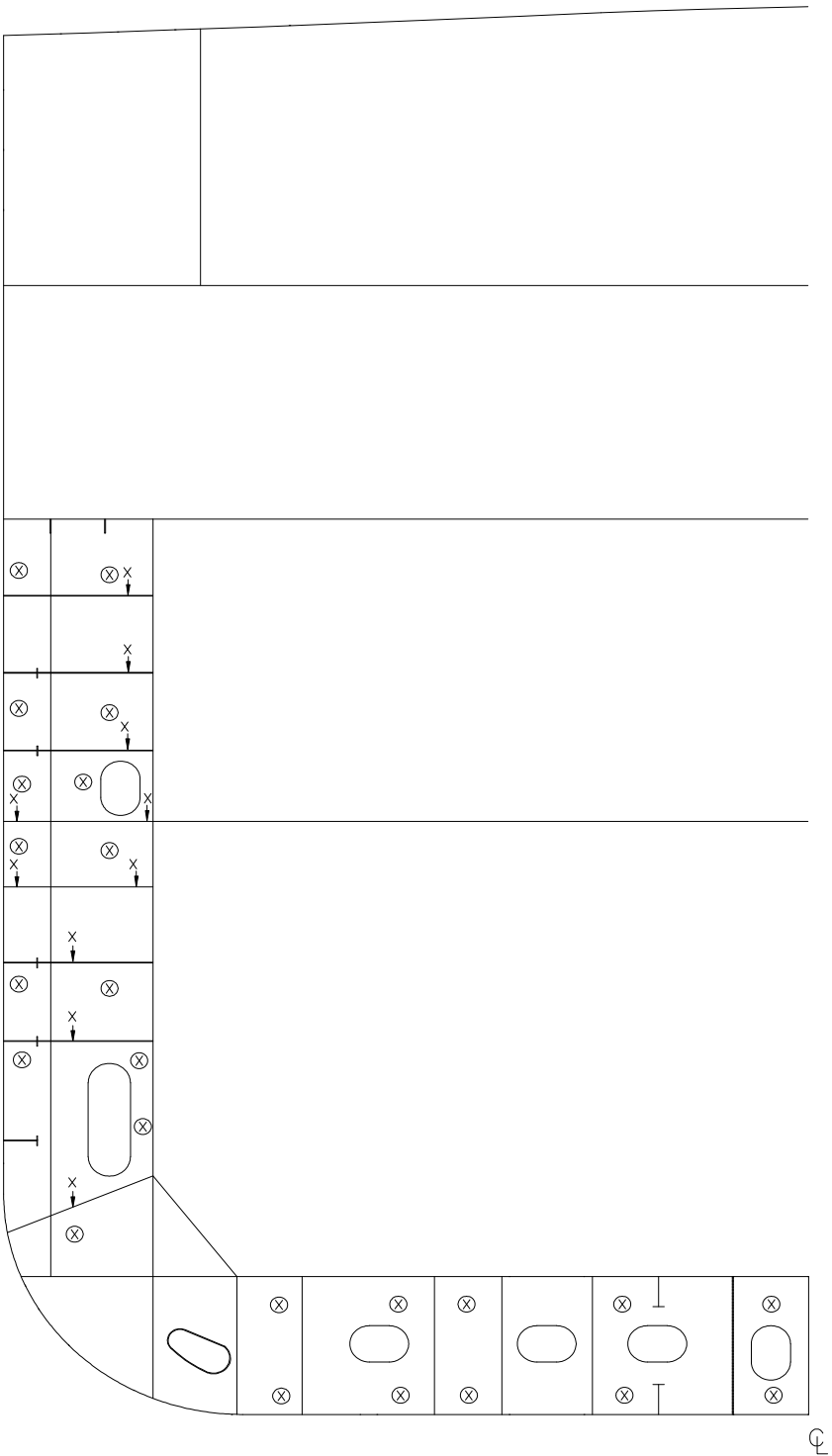
Operator's Signature:	Surveyor's Signature:
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Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

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Operator's Signature:	Surveyor's Signature:
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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Side Tank Fuel Oil Tank 2			
LOCATION OF STRUCTURE:												Frame 120			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
Upper Level															
ob web plate		15.88	11.91	13.23	14.56	15.93	16.29	-	-	-	-	25	16.7	8.3	
ib web plate - ob		9.53	7.15	7.94	8.74	9.34	9.85	0.19	1.99	-	-	25	16.7	8.3	
ib web plate - ib		9.53	7.15	7.94	8.74	9.71	9.74	-	-	-	-	25	16.7	8.3	
stiffeners															
upper flat bar - ob		12.70	8.89	10.16	11.43	12.70	12.73	-	-	-	-	30	20.0	10.0	
upper flat bar - ib		12.70	8.89	10.16	11.43	12.67	12.72	0.03	0.24	-	-	30	20.0	10.0	
vertical flat bar		12.70	8.89	10.16	11.43	12.79	12.62	-	-	0.08	0.63	30	20.0	10.0	
top shell strg - bracket connection		12.70	8.89	10.16	11.43	13.14	13.15	-	-	-	-	30	20.0	10.0	
bottom shell strg - bracket connection		12.70	8.89	10.16	11.43	13.23	13.25	-	-	-	-	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Side Tank Fuel Oil Tank 2			
LOCATION OF STRUCTURE:												Frame 120			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
Lower Level															
ob web plate		15.88	11.91	13.23	14.56	15.87	16.14	0.01	0.06	-	-	25	16.7	8.3	
ib web plate		12.70	9.53	10.58	11.64	12.77	13.17	-	-	-	-	25	16.7	8.3	
lower web plate		15.88	11.91	13.23	14.56	15.83	15.98	0.05	0.31	-	-	25	16.7	8.3	
stiffeners															
upper flat bar - ob		12.70	8.89	10.16	11.43	12.66	12.59	0.04	0.31	0.11	0.87	30	20.0	10.0	
upper flat bar - ib		12.70	8.89	10.16	11.43	12.67	12.70	0.03	0.24	-	-	30	20.0	10.0	
vertical flat bar		12.70	8.89	10.16	11.43	12.82	12.53	-	-	0.17	1.34	30	20.0	10.0	
3rd flat bar down - ob		12.70	8.89	10.16	11.43	12.50	12.48	0.20	1.57	0.22	1.73	30	20.0	10.0	
3rd flat bar down - ib		12.70	8.89	10.16	11.43	12.56	12.52	0.14	1.10	0.18	1.42	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Side Tank Fuel Oil Tank 3			
LOCATION OF STRUCTURE:												Frame 91			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
Upper Level															
ob web plate		15.88	11.91	13.23	14.56	16.07	16.07	-	-	-	-	25	16.7	8.3	
ib web plate - ob		9.53	7.15	7.94	8.74	9.65	9.66	-	-	-	-	25	16.7	8.3	
ib web plate - ib	ib web plate	9.53	7.15	7.94	8.74	9.81	9.86	-	-	-	-	25	16.7	8.3	
stiffeners															
upper flat bar - ob		12.70	8.89	10.16	11.43	12.85	12.73	-	-	-	-	30	20.0	10.0	
upper flat bar - ib		12.70	8.89	10.16	11.43	12.68	12.77	0.02	0.16	-	-	30	20.0	10.0	
vertical flat bar		12.70	8.89	10.16	11.43	12.67	12.67	0.03	0.24	0.03	0.24	30	20.0	10.0	
top shell strg - bracket connection		12.70	8.89	10.16	11.43	12.92	12.93	-	-	-	-	30	20.0	10.0	
bottom shell strg - bracket connection		12.70	8.89	10.16	11.43	13.06	13.08	-	-	-	-	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
Side Tank Fuel Oil Tank 3														
LOCATION OF STRUCTURE:														
Frame 91														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Lower Level														
upper ob web plate		15.88	11.91	13.23	14.56	15.88	15.96	-	-	-	-	25	16.7	8.3
upper ib web plate - ob		12.70	9.53	10.58	11.64	12.90	13.19	-	-	-	-	25	16.7	8.3
upper ib web plate - ob		12.70	9.53	10.58	11.64	12.90	13.21	-	-	-	-	25	16.7	8.3
lower ob web plate		15.88	11.91	13.23	14.56	16.03	16.03	-	-	-	-	25	16.7	8.3
lower ib web plate		12.70	9.53	10.58	11.64	12.86	13.57	-	-	-	-	25	16.7	8.3
stiffeners														
top angle - web		12.70	8.89	10.16	11.43	12.11	12.13	0.59	4.65	0.57	4.49	30	20.0	10.0
top angle - flg		12.70	8.89	10.16	11.43	12.27	12.64	0.43	3.39	0.06	0.47	30	20.0	10.0
2nd angle down - web		12.70	8.89	10.16	11.43	12.15	12.04	0.55	4.33	0.66	5.20	30	20.0	10.0
2nd angle down - flg		12.70	8.89	10.16	11.43	12.26	12.62	0.44	3.46	0.08	0.63	30	20.0	10.0
3rd angle down - web		12.70	8.89	10.16	11.43	12.27	12.21	0.43	3.39	0.49	3.86	30	20.0	10.0
3rd angle down - flg		12.70	8.89	10.16	11.43	12.20	12.63	0.50	3.94	0.07	0.55	30	20.0	10.0
4th angle down - web		12.70	8.89	10.16	11.43	12.23	12.09	0.47	3.70	0.61	4.80	30	20.0	10.0
4th angle down - flg		12.70	8.89	10.16	11.43	12.68	12.72	0.02	0.16	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Side Tank Fuel Oil Tank 3			
LOCATION OF STRUCTURE:												Frame 65			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
Upper Level															
ob web plate		15.88	11.91	13.23	14.56	16.24	16.20	-	-	-	-	25	16.7	8.3	
ib web plate - ob		9.53	7.15	7.94	8.74	9.51	9.75	0.02	0.21	-	-	25	16.7	8.3	
ib web plate - ib		9.53	7.15	7.94	8.74	9.62	9.67	-	-	-	-	25	16.7	8.3	
stiffeners															
upper flat bar - ob		12.70	8.89	10.16	11.43	12.70	12.79	-	-	-	-	30	20.0	10.0	
upper flat bar - ib		12.70	8.89	10.16	11.43	12.67	12.75	0.03	0.24	-	-	30	20.0	10.0	
vertical flat bar		12.70	8.89	10.16	11.43	12.68	13.15	0.02	0.16	-	-	30	20.0	10.0	
top shell strg - bracket connection		12.70	8.89	10.16	11.43	13.05	12.92	-	-	-	-	30	20.0	10.0	
bottom shell strg - bracket connection		12.70	8.89	10.16	11.43	13.21	13.04	-	-	-	-	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
Side Tank Fuel Oil Tank 3														
LOCATION OF STRUCTURE:														
Frame 65														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Lower Level														
ob web plate		15.88	11.91	13.23	14.56	16.36	16.22	-	-	-	-	25	16.7	8.3
ib web plate		12.70	9.53	10.58	11.64	12.95	12.92	-	-	-	-	25	16.7	8.3
lower web plate		15.88	11.91	13.23	14.56	16.29	16.12	-	-	-	-	25	16.7	8.3
stiffeners														
upper flat bar - ob		12.70	8.89	10.16	11.43	12.70	12.79	-	-	-	-	30	20.0	10.0
upper flat bar - ib		12.70	8.89	10.16	11.43	12.67	12.74	0.03	0.24	-	-	30	20.0	10.0
vertical flat bar		12.70	8.89	10.16	11.43	12.73	12.68	-	-	0.02	0.16	30	20.0	10.0
3rd flat bar down - ob		12.70	8.89	10.16	11.43	12.57	12.34	0.13	1.02	0.36	2.83	30	20.0	10.0
3rd flat bar down - ib		12.70	8.89	10.16	11.43	12.60	12.61	0.10	0.79	0.09	0.71	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Inner Bottom Fuel Oil Tank 3			
LOCATION OF STRUCTURE:												Frame 65			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
tranverse floor															
1st bay off cl	ob	10.32	7.74	8.60	9.46	10.16	10.15	0.16	1.55	0.17	1.65	25	16.7	8.3	
1st bay off cl	ib	10.32	7.74	8.60	9.46	10.18	10.05	0.14	1.36	0.27	2.62	25	16.7	8.3	
2nd bay off cl		10.32	7.74	8.60	9.46	10.20	10.11	0.12	1.16	0.21	2.03	25	16.7	8.3	
3rd bay off cl	ob	10.32	7.74	8.60	9.46	10.16	10.18	0.16	1.55	0.14	1.36	25	16.7	8.3	
	ib	10.32	7.74	8.60	9.46	10.20	10.14	0.12	1.16	0.18	1.74	25	16.7	8.3	
4th bay off cl		10.32	7.74	8.60	9.46	10.15	10.15	0.17	1.65	0.17	1.65	25	16.7	8.3	
5th bay off cl		10.32	7.74	8.60	9.46	10.18	10.22	0.14	1.36	0.10	0.97	25	16.7	8.3	
6th bay off cl		10.32	7.74	8.60	9.46	10.36	10.22	-	-	0.10	0.97	25	16.7	8.3	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.88	7.94	0.06	0.76	-	-	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.50	7.19	0.44	5.54	0.75	9.45	30	20.0	10.0
upper shell frame end brkt - web		12.70	9.53	10.58	11.64	12.78	12.90	-	-	-	-	25	16.7	8.3
upper shell frame end brkt - flg		12.70	9.53	10.58	11.64	12.74	12.93	-	-	-	-	25	16.7	8.3
shell frame - web		19.05	14.29	15.88	17.46	19.38	19.22	-	-	-	-	25	16.7	8.3
shell frame - flg		19.05	14.29	15.88	17.46	19.17	19.48	-	-	-	-	25	16.7	8.3
transverse floor - web		15.88	11.91	13.23	14.56	15.86	15.94	0.02	0.13	-	-	25	16.7	8.3
transverse floor - flg		15.88	11.91	13.23	14.56	15.77	15.79	0.11	0.69	0.09	0.57	25	16.7	8.3
rudder trunk stiffener - web		7.94	5.56	6.35	7.15	7.99	7.94	-	-	-	-	30	20.0	10.0
rudder trunk stiffener - flg		7.94	5.56	6.35	7.15	7.92	7.89	0.02	0.25	0.05	0.63	30	20.0	10.0
rudder trunk stiffener upr brkt- web		12.70	8.89	10.16	11.43	12.84	12.83	-	-	-	-	30	20.0	10.0
rudder trunk stiffener upr brkt- flg		12.70	8.89	10.16	11.43	12.41	12.70	0.29	2.28	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
						deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.67	7.89	0.27
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.54	7.57	0.40	5.04	0.37	4.66	30	20.0	10.0
upper shell frame end brkt - web		12.70	9.53	10.58	11.64	13.01	12.80	-	-	-	-	25	16.7	8.3
upper shell frame end brkt - flg		12.70	9.53	10.58	11.64	12.97	12.53	-	-	0.17	1.34	25	16.7	8.3
shell frame - web		19.05	14.29	15.88	17.46	19.33	19.19	-	-	-	-	25	16.7	8.3
shell frame - flg		19.05	14.29	15.88	17.46	19.12	19.45	-	-	-	-	25	16.7	8.3
transverse floor - web		15.88	11.91	13.23	14.56	15.92	16.04	-	-	-	-	25	16.7	8.3
transverse floor - flg		15.88	11.91	13.23	14.56	15.84	15.95	0.04	0.25	-	-	25	16.7	8.3
rudder trunk stiffener - web		7.94	5.56	6.35	7.15	7.65	7.97	0.29	3.65	-	-	30	20.0	10.0
rudder trunk stiffener - flg		7.94	5.56	6.35	7.15	7.57	7.91	0.37	4.66	0.03	0.38	30	20.0	10.0
rudder trunk stiffener upr brkt- web		12.70	8.89	10.16	11.43	12.04	12.78	0.66	5.20	-	-	30	20.0	10.0
rudder trunk stiffener upr brkt- flg		12.70	8.89	10.16	11.43	12.36	12.79	0.34	2.68	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.91	8.03	0.03	0.38	-	-	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.72	7.57	0.22	2.77	0.37	4.66	30	20.0	10.0
upper shell frame end brkt - web		12.70	9.53	10.58	11.64	12.88	12.78	-	-	-	-	25	16.7	8.3
upper shell frame end brkt - flg		12.70	9.53	10.58	11.64	12.92	12.72	-	-	-	-	25	16.7	8.3
shell frame - web		19.05	14.29	15.88	17.46	18.73	18.82	0.32	1.68	0.23	1.21	25	16.7	8.3
shell frame - flg		19.05	14.29	15.88	17.46	19.30	19.15	-	-	-	-	25	16.7	8.3
transverse floor - web		15.88	11.91	13.23	14.56	15.44	15.81	0.44	2.77	0.07	0.44	25	16.7	8.3
transverse floor - flg		15.88	11.91	13.23	14.56	15.84	15.87	0.04	0.25	0.01	0.06	25	16.7	8.3
rudder trunk stiffener - web		7.94	5.56	6.35	7.15	7.60	7.65	0.34	4.28	0.29	3.65	30	20.0	10.0
rudder trunk stiffener - flg		7.94	5.56	6.35	7.15	7.74	7.82	0.20	2.52	0.12	1.51	30	20.0	10.0
rudder trunk stiffener upr brkt- web		12.70	8.89	10.16	11.43	12.31	12.78	0.39	3.07	-	-	30	20.0	10.0
rudder trunk stiffener upr brkt- flg		12.70	8.89	10.16	11.43	12.49	12.77	0.21	1.65	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead plating - ob plate - ob		11.91	8.34	9.53	10.72	11.82	12.00	0.09	0.76	-	-	30	20.0	10.0
deckhead plating - ob plate - ib		11.91	8.34	9.53	10.72	12.10	11.94	-	-	-	-	30	20.0	10.0
deckhead plating - ib plate - ob		7.94	5.56	6.35	7.15	7.65	7.96	0.29	3.65	-	-	30	20.0	10.0
deckhead plating - ib plate - ib		7.94	5.56	6.35	7.15	7.61	7.78	0.33	4.16	0.16	2.02	30	20.0	10.0
deck long'tl - web		9.53	6.67	7.62	8.58	9.51	9.49	0.02	0.21	0.04	0.42	30	20.0	10.0
deck long'tl - faceflat		12.70	8.89	10.16	11.43	12.58	12.59	0.12	0.94	0.11	0.87	30	20.0	10.0
ob flatbar stiffener		12.70	8.89	10.16	11.43	12.55	12.57	0.15	1.18	0.13	1.02	30	20.0	10.0
ib lower flatbar stiffener		12.70	8.89	10.16	11.43	12.60	12.60	0.10	0.79	0.10	0.79	30	20.0	10.0
angle stiffener - web		7.94	5.56	6.35	7.15	8.01	7.95	-	-	-	-	30	20.0	10.0
angle stiffener - flg		7.94	5.56	6.35	7.15	7.44	7.84	0.50	6.30	0.10	1.26	30	20.0	10.0
web plating - upper ob		15.88	11.91	13.23	14.56	15.81	16.16	0.07	0.44	-	-	25	16.7	8.3
web plating - lower ob		15.88	11.91	13.23	14.56	15.85	16.40	0.03	0.19	-	-	25	16.7	8.3
web plating - upper ib		9.53	7.15	7.94	8.74	9.55	9.48	-	-	0.05	0.52	25	16.7	8.3
web ring faceflat		19.05	14.29	15.88	17.46	19.39	19.58	-	-	-	-	25	16.7	8.3
upper stringer - web		12.70	8.89	10.16	11.43	13.03	13.09	-	-	-	-	30	20.0	10.0
upper stringer - faceflat		19.05	13.34	15.24	17.15	18.99	19.01	0.06	0.31	0.04	0.21	30	20.0	10.0
mid stringer - web		12.70	8.89	10.16	11.43	13.09	12.79	-	-	-	-	30	20.0	10.0
mid stringer - faceflat		19.05	13.34	15.24	17.15	19.08	19.07	-	-	-	-	30	20.0	10.0
lower stringer - web		12.70	8.89	10.16	11.43	13.08	13.06	-	-	-	-	30	20.0	10.0
lower stringer - faceflat		19.05	13.34	15.24	17.15	19.04	19.01	0.01	0.05	0.04	0.21	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead plating - ob plate - ob		11.91	8.34	9.53	10.72	11.78	12.11	0.13	1.09	-	-	30	20.0	10.0
deckhead plating - ob plate - ib		11.91	8.34	9.53	10.72	11.77	12.02	0.14	1.18	-	-	30	20.0	10.0
deckhead plating - ib plate - ob		7.94	5.56	6.35	7.15	7.84	7.97	0.10	1.26	-	-	30	20.0	10.0
deckhead plating - ib plate - ib		7.94	5.56	6.35	7.15	7.95	7.97	-	-	-	-	30	20.0	10.0
deck long'tl - web		9.53	6.67	7.62	8.58	9.44	9.40	0.09	0.94	0.13	1.36	30	20.0	10.0
deck long'tl - faceflat		12.70	8.89	10.16	11.43	12.50	12.62	0.20	1.57	0.08	0.63	30	20.0	10.0
ob flatbar stiffener		12.70	8.89	10.16	11.43	12.61	12.53	0.09	0.71	0.17	1.34	30	20.0	10.0
ib lower flatbar stiffener		12.70	8.89	10.16	11.43	12.63	12.63	0.07	0.55	0.07	0.55	30	20.0	10.0
web plating - upper ob		15.88	11.91	13.23	14.56	16.06	16.38	-	-	-	-	25	16.7	8.3
web plating - lower ob		15.88	11.91	13.23	14.56	16.15	15.53	-	-	0.35	2.20	25	16.7	8.3
web ring faceflat		19.05	14.29	15.88	17.46	19.52	18.82	-	-	0.23	1.21	25	16.7	8.3
upper stringer - web		12.70	8.89	10.16	11.43	13.00	13.22	-	-	-	-	30	20.0	10.0
upper stringer - faceflat		19.05	13.34	15.24	17.15	19.02	18.76	0.03	0.16	0.29	1.52	30	20.0	10.0
lower stringer - web		12.70	8.89	10.16	11.43	13.12	12.99	-	-	-	-	30	20.0	10.0
lower stringer - faceflat		19.05	13.34	15.24	17.15	19.03	19.03	0.02	0.10	0.02	0.10	30	20.0	10.0
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.80	7.84	0.14	1.76	0.10	1.26	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.56	8.21	0.38	4.79	-	-	30	20.0	10.0
deck cl long'tl - web		9.53	6.67	7.62	8.58		9.32			0.21	2.20	30	20.0	10.0
deck cl long'tl - faceflat		12.70	8.89	10.16	11.43		12.65			0.05	0.39	30	20.0	10.0
bottom cl long'tl - web		15.88	11.12	12.70	14.29		16.17			-	-	30	20.0	10.0
bottom cl long'tl - faceflat		19.05	13.34	15.24	17.15		19.33			-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:		Aftpeak												
LOCATION OF STRUCTURE:		Frame J												
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.98	7.93	-	-	0.01	0.13	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	8.17	7.16	-	-	0.78	9.82	30	20.0	10.0
upper shell frame end brkt - web		12.70	9.53	10.58	11.64	12.76	12.70	-	-	-	-	25	16.7	8.3
upper shell frame end brkt - flg		12.70	9.53	10.58	11.64	12.80	12.68	-	-	0.02	0.16	25	16.7	8.3
shell frame - web		19.05	14.29	15.88	17.46	18.82	19.07	0.23	1.21	-	-	25	16.7	8.3
shell frame - flg		19.05	14.29	15.88	17.46	19.28	19.50	-	-	-	-	25	16.7	8.3
transverse floor - web		15.88	11.91	13.23	14.56	16.08	16.11	-	-	-	-	25	16.7	8.3
transverse floor - flg		19.05	14.29	15.88	17.46	19.32	18.99	-	-	0.06	0.31	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
deckhead plating - ob		11.91	8.34	9.53	10.72	11.95	12.06	-	-	-	-	30	20.0	10.0
deckhead plating - ib		11.91	8.34	9.53	10.72	11.69	12.10	0.22	1.85	-	-	30	20.0	10.0
deck long'tl - web		9.53	6.67	7.62	8.58	9.49	9.39	0.04	0.42	0.14	1.47	30	20.0	10.0
deck long'tl - faceflat		12.70	8.89	10.16	11.43	12.53	12.64	0.17	1.34	0.06	0.47	30	20.0	10.0
ob flatbar stiffener		12.70	8.89	10.16	11.43	12.66	12.68	0.04	0.31	0.02	0.16	30	20.0	10.0
web plating - ob		15.88	11.91	13.23	14.56	16.14	16.16	-	-	-	-	25	16.7	8.3
web plating - ib		15.88	11.91	13.23	14.56	16.03	16.05	-	-	-	-	25	16.7	8.3
ob vertical stiffener - web		7.94	5.56	6.35	7.15	7.81	7.76	0.13	1.64	0.18	2.27	30	20.0	10.0
ob vertical stiffener - flg		7.94	5.56	6.35	7.15	7.81	7.78	0.13	1.64	0.16	2.02	30	20.0	10.0
mid vertical stiffener - web		7.94	5.56	6.35	7.15	7.81	7.94	0.13	1.64	-	-	30	20.0	10.0
mid vertical stiffener - flg		7.94	5.56	6.35	7.15	7.77	7.72	0.17	2.14	0.22	2.77	30	20.0	10.0
ib vertical stiffener - web		7.94	5.56	6.35	7.15	7.87	7.91	0.07	0.88	0.03	0.38	30	20.0	10.0
ib vertical stiffener - flg		7.94	5.56	6.35	7.15	7.55	7.74	0.39	4.91	0.20	2.52	30	20.0	10.0
deck cl long'tl - web		9.53	6.67	7.62	8.58		9.47			0.06	0.63	30	20.0	10.0
deck cl long'tl - faceflat		12.70	8.89	10.16	11.43		12.65			0.05	0.39	30	20.0	10.0
bottom cl long'tl - web		15.88	11.12	12.70	14.29		16.12			-	-	30	20.0	10.0
bottom cl long'tl - faceflat		19.05	13.34	15.24	17.15		19.34			-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
web plating - ob		15.88	11.91	13.23	14.56	16.15	16.28	-	-	-	-	25	16.7	8.3
web plating - ib		15.88	11.91	13.23	14.56	15.88	15.83	-	-	0.05	0.31	25	16.7	8.3
ob flatbar stiffener		12.70	8.89	10.16	11.43	12.53	12.60	0.17	1.34	0.10	0.79	30	20.0	10.0
ib flatbar stiffener		12.70	8.89	10.16	11.43	12.68	12.64	0.02	0.16	0.06	0.47	30	20.0	10.0
ob vertical stiffener - web		7.94	5.56	6.35	7.15	8.09	8.03	-	-	-	-	30	20.0	10.0
ob vertical stiffener - flg		7.94	5.56	6.35	7.15	7.89	7.88	0.05	0.63	0.06	0.76	30	20.0	10.0
ib vertical stiffener - web		7.94	5.56	6.35	7.15	7.98	8.00	-	-	-	-	30	20.0	10.0
ib vertical stiffener - flg		7.94	5.56	6.35	7.15	8.03	7.91	-	-	0.03	0.38	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Aftpeak		
LOCATION OF STRUCTURE:												Frame M		
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
web plating - ob		15.88	11.91	13.23	14.56	16.05	16.13	-	-	-	-	25	16.7	8.3
web plating - ib		15.88	11.91	13.23	14.56	16.41	16.04	-	-	-	-	25	16.7	8.3
ob flatbar stiffener		12.70	8.89	10.16	11.43	12.58	12.63	0.12	0.94	0.07	0.55	30	20.0	10.0
ib flatbar stiffener		12.70	8.89	10.16	11.43	12.64	12.63	0.06	0.47	0.07	0.55	30	20.0	10.0
ob vertical stiffener - web		7.94	5.56	6.35	7.15	8.10	8.01	-	-	-	-	30	20.0	10.0
ob vertical stiffener - flg		7.94	5.56	6.35	7.15	7.88	7.91	0.06	0.76	0.03	0.38	30	20.0	10.0
ib vertical stiffener - web		7.94	5.56	6.35	7.15	7.99	7.98	-	-	-	-	30	20.0	10.0
ib vertical stiffener - flg		7.94	5.56	6.35	7.15	7.88	7.80	0.06	0.76	0.14	1.76	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 184, 185			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 184															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.86	7.74	0.08	1.01	0.20	2.52	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.82	7.61	0.12	1.51	0.33	4.16	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.45	15.29	0.55	3.67	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.42	15.93	0.58	3.87	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	15.45	16.44	0.43	2.71	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.04	16.60	-	-	-	-	25	16.7	8.3	
transverse floor - web		9.53	7.15	7.94	8.74	9.24	9.55	0.29	3.04	-	-	25	16.7	8.3	
transverse floor - flg		9.53	7.15	7.94	8.74	9.33	9.40	0.20	2.10	0.13	1.36	25	16.7	8.3	
frame 185															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.76	7.71	0.18	2.27	0.23	2.90	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.69	7.70	0.25	3.15	0.24	3.02	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.59	15.35	0.41	2.73	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.55	15.31	0.45	3.00	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.60	16.36	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.12	16.68	-	-	-	-	25	16.7	8.3	
transverse floor - web		9.53	7.15	7.94	8.74	9.57	9.53	-	-	-	-	25	16.7	8.3	
transverse floor - flg		9.53	7.15	7.94	8.74	9.58	9.28	-	-	0.25	2.62	25	16.7	8.3	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:		Forepeak												
LOCATION OF STRUCTURE:		Frame 186												
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
frame 186														
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.76	7.75	0.18	2.27	0.19	2.39	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.21	7.98	0.73	9.19	-	-	30	20.0	10.0
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.51	15.44	0.49	3.27	-	-	25	16.7	8.3
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.24	14.46	0.76	5.07	0.54	3.60	25	16.7	8.3
shell frame - web		15.88	11.91	13.23	14.56	16.04	15.80	-	-	0.08	0.50	25	16.7	8.3
shell frame - flg		15.88	11.91	13.23	14.56	16.01	15.60	-	-	0.28	1.76	25	16.7	8.3
transverse floor - web		9.53	7.15	7.94	8.74	9.61	9.50	-	-	0.03	0.31	25	16.7	8.3
transverse floor - flg		9.53	7.15	7.94	8.74	9.55	9.58	-	-	-	-	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak		
LOCATION OF STRUCTURE:												Frame 187		
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
ob deckhead plating - ob		12.70	8.89	10.16	11.43	13.39	12.96	-	-	-	-	30	20.0	10.0
ob deckhead plating - ib		12.70	8.89	10.16	11.43	13.25	12.78	-	-	-	-	30	20.0	10.0
ib deckhead plating		7.94	5.56	6.35	7.15	8.30	7.91	-	-	0.03	0.38	30	20.0	10.0
ob upper flatbar stiffener		12.70	8.89	10.16	11.43	12.57	12.70	0.13	1.02	-	-	30	20.0	10.0
2nd below flatbar stiffener		12.70	8.89	10.16	11.43	12.59	12.67	0.11	0.87	0.03	0.24	30	20.0	10.0
3rd below flatbar stiffener		12.70	8.89	10.16	11.43	12.40	12.59	0.30	2.36	0.11	0.87	30	20.0	10.0
4th below flatbar stiffener		12.70	8.89	10.16	11.43	12.62	12.59	0.08	0.63	0.11	0.87	30	20.0	10.0
web plating - ob		15.88	11.91	13.23	14.56	15.79	15.86	0.09	0.57	0.02	0.13	25	16.7	8.3
web plating - ib		9.53	7.15	7.94	8.74	9.52	9.51	0.01	0.10	0.02	0.21	25	16.7	8.3
upper shell stringer - web		12.70	8.89	10.16	11.43	13.07	12.15	-	-	0.55	4.33	30	20.0	10.0
upper shell stringer - flg		19.05	13.34	15.24	17.15	19.74	19.44	-	-	-	-	30	20.0	10.0
lower shell stringer - web		12.70	8.89	10.16	11.43	13.38	12.55	-	-	0.15	1.18	30	20.0	10.0
lower shell stringer - flg		19.05	13.34	15.24	17.15	19.16	19.68	-	-	-	-	30	20.0	10.0
flat plate(stringer) at bottom		12.70	8.89	10.16	11.43	12.85	12.99	-	-	-	-	30	20.0	10.0
upper plate of chain locker - upr		9.53	6.67	7.62	8.58	9.48	8.88	0.05	0.52	0.65	6.82	30	20.0	10.0
upper plate of chain locker - lwr		9.53	6.67	7.62	8.58	9.43	9.56	0.10	1.05	-	-	30	20.0	10.0
lower plate of chain locker		12.70	8.89	10.16	11.43	12.86		-	-			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 188, 189			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 188															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.72	7.77	0.22	2.77	0.17	2.14	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.43	7.64	0.51	6.42	0.30	3.78	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.51	14.54	0.49	3.27	0.46	3.07	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.48	14.54	0.52	3.47	0.46	3.07	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.33	15.95	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	15.55	15.32	0.33	2.08	0.56	3.53	25	16.7	8.3	
transverse floor - web		9.53	7.15	7.94	8.74	9.61	9.44	-	-	0.09	0.94	25	16.7	8.3	
transverse floor - flg		9.53	7.15	7.94	8.74	9.58	9.27	-	-	0.26	2.73	25	16.7	8.3	
frame 189															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.58	7.75	0.36	4.53	0.19	2.39	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.33	7.36	0.61	7.68	0.58	7.30	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.36	14.42	0.64	4.27	0.58	3.87	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.33	15.41	0.67	4.47	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.11	15.65	-	-	0.23	1.45	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.08	16.63	-	-	-	-	25	16.7	8.3	
transverse floor - web		15.88	11.91	13.23	14.56	16.04	16.31	-	-	-	-	25	16.7	8.3	
transverse floor - flg		15.88	11.91	13.23	14.56	15.42	16.06	0.46	2.90	-	-	25	16.7	8.3	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION: Forepeak														
LOCATION OF STRUCTURE: Frame 190														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
frame 190														
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.74	7.63	0.20	2.52	0.31	3.90	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.72	7.60	0.22	2.77	0.34	4.28	30	20.0	10.0
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.21	14.53	0.79	5.27	0.47	3.13	25	16.7	8.3
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.44	14.40	0.56	3.73	0.60	4.00	25	16.7	8.3
shell frame - web		15.88	11.91	13.23	14.56	16.23	15.81	-	-	0.07	0.44	25	16.7	8.3
shell frame - flg		15.88	11.91	13.23	14.56	16.16	16.38	-	-	-	-	25	16.7	8.3
transverse floor - web		15.88	11.91	13.23	14.56	16.36	16.81	-	-	-	-	25	16.7	8.3
transverse floor - flg		15.88	11.91	13.23	14.56	16.31	16.08	-	-	-	-	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION: Forepeak														
LOCATION OF STRUCTURE: Frame 191														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
ob deckhead plating - ob		12.70	8.89	10.16	11.43	12.71	12.38	-	-	0.32	2.52	30	20.0	10.0
ob deckhead plating - ib		7.94	5.56	6.35	7.15	8.30	7.32	-	-	0.62	7.81	30	20.0	10.0
ib deckhead plating		7.94	5.56	6.35	7.15	7.84	7.43	0.10	1.26	0.51	6.42	30	20.0	10.0
upper shell stringer - web		12.70	8.89	10.16	11.43	13.37	12.65	-	-	0.05	0.39	30	20.0	10.0
upper shell stringer - flg		19.05	13.34	15.24	17.15	19.69	19.15	-	-	-	-	30	20.0	10.0
lower shell stringer - web		12.70	8.89	10.16	11.43	13.59	13.00	-	-	-	-	30	20.0	10.0
lower shell stringer - flg		19.05	13.34	15.24	17.15	19.29	19.25	-	-	-	-	30	20.0	10.0
ob web plate - upr		15.88	11.91	13.23	14.56	16.20	15.98	-	-	-	-	25	16.7	8.3
ob web plate - lwr		15.88	11.91	13.23	14.56	16.12	15.98	-	-	-	-	25	16.7	8.3
upper ib plate - ob		9.53	7.15	7.94	8.74	9.24	9.74	0.29	3.04	-	-	25	16.7	8.3
upper ib plate - ib		9.53	7.15	7.94	8.74	9.43	9.72	0.10	1.05	-	-	25	16.7	8.3
mid ib plate - ob		9.53	7.15	7.94	8.74	9.65	9.40	-	-	0.13	1.36	25	16.7	8.3
mid ib plate - ib		9.53	7.15	7.94	8.74	9.61	9.32	-	-	0.21	2.20	25	16.7	8.3
lower ib plate - ob		15.88	11.91	13.23	14.56	16.02	16.66	-	-	-	-	25	16.7	8.3
lower ib plate - ib		15.88	11.91	13.23	14.56	15.98	15.88	-	-	-	-	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 191			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
stiffeners															
ob - web		7.94	5.56	6.35	7.15	7.98	8.04	-	-	-	-	30	20.0	10.0	
ob - flg		7.94	5.56	6.35	7.15	7.99	7.95	-	-	-	-	30	20.0	10.0	
2nd ib - web		7.94	5.56	6.35	7.15	7.60	7.51	0.34	4.28	0.43	5.42	30	20.0	10.0	
2nd ib - flg		7.94	5.56	6.35	7.15	7.76	7.49	0.18	2.27	0.45	5.67	30	20.0	10.0	
3rd ib - web		7.94	5.56	6.35	7.15	7.63	7.96	0.31	3.90	-	-	30	20.0	10.0	
3rd ib - flg		7.94	5.56	6.35	7.15	7.64	8.04	0.30	3.78	-	-	30	20.0	10.0	
4th ib - web		7.94	5.56	6.35	7.15	7.99	7.48	-	-	0.46	5.79	30	20.0	10.0	
4th ib - flg		7.94	5.56	6.35	7.15	7.63	7.63	0.31	3.90	0.31	3.90	30	20.0	10.0	
5th ib - web		7.94	5.56	6.35	7.15	7.56	8.00	0.38	4.79	-	-	30	20.0	10.0	
5th ib - flg		7.94	5.56	6.35	7.15	7.63	8.08	0.31	3.90	-	-	30	20.0	10.0	
upper cl swash plate - upr		9.53	6.67	7.62	8.58	9.78		-	-			30	20.0	10.0	
upper cl swash plate - lwr		9.53	6.67	7.62	8.58	9.73		-	-			30	20.0	10.0	
lower cl swash plate		12.70	8.89	10.16	11.43	12.63		0.07	0.55			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 192			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 192															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.76	7.81	0.18	2.27	0.13	1.64	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.36	7.76	0.58	7.30	0.18	2.27	30	20.0	10.0	
upper shell frame end brkt - web		15.88	11.91	13.23	14.56	16.07	15.43	-	-	0.45	2.83	25	16.7	8.3	
upper shell frame end brkt - flg		15.88	11.91	13.23	14.56	16.04	16.04	-	-	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.11	16.31	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	15.92	16.31	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	15.63	15.25	0.25	1.57	0.63	3.97	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	15.63		0.25	1.57			25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.18	19.38	-	-	-	-	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.78		0.16	2.02			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.76		0.18	2.27			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 193			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 193															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.74	7.77	0.20	2.52	0.17	2.14	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.22	7.70	0.72	9.07	0.24	3.02	30	20.0	10.0	
upper shell frame end brkt - web		15.88	11.91	13.23	14.56	16.17	16.12	-	-	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.88	11.91	13.23	14.56	16.08	16.06	-	-	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.53	16.48	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.03	16.47	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	15.70	15.91	0.18	1.13	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	15.55		0.33	2.08			25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.52	18.87	-	-	0.18	0.94	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.67		0.27	3.40			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.57		0.37	4.66			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:														
LOCATION OF STRUCTURE:														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
frame 194														
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.80	7.57	0.14	1.76	0.37	4.66	30	20.0	10.0
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.50	7.71	0.44	5.54	0.23	2.90	30	20.0	10.0
upper shell frame end brkt - web		15.88	11.91	13.23	14.56	16.15	15.78	-	-	0.10	0.63	25	16.7	8.3
upper shell frame end brkt - flg		15.88	11.91	13.23	14.56	16.28	16.15	-	-	-	-	25	16.7	8.3
shell frame - web		15.88	11.91	13.23	14.56	16.34	16.30	-	-	-	-	25	16.7	8.3
shell frame - flg		15.88	11.91	13.23	14.56	16.51	15.30	-	-	0.58	3.65	25	16.7	8.3
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.36	15.89	-	-	-	-	25	16.7	8.3
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.12		-	-			25	16.7	8.3
transverse floor - face flat		19.05	14.29	15.88	17.46	19.39	19.45	-	-	-	-	25	16.7	8.3
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.89		0.05	0.63			30	20.0	10.0
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.78		0.16	2.02			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:													Forepeak			
LOCATION OF STRUCTURE:													Frame 195			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
						P	S	mm	%	mm	%					
ob deckhead plating - ob		12.70	8.89	10.16	11.43	13.09	12.16	-	-	0.54	4.25	30	20.0	10.0		
ob deckhead plating - ib		7.94	5.56	6.35	7.15	8.17	7.28	-	-	0.66	8.31	30	20.0	10.0		
ib deckhead plating		7.94	5.56	6.35	7.15	7.89	7.90	0.05	0.63	0.04	0.50	30	20.0	10.0		
upper shell stringer - web		12.70	8.89	10.16	11.43	13.27	12.04	-	-	0.66	5.20	30	20.0	10.0		
upper shell stringer - flg		19.05	13.34	15.24	17.15	19.17	19.54	-	-	-	-	30	20.0	10.0		
lower shell stringer - web		12.70	8.89	10.16	11.43	13.45	12.27	-	-	0.43	3.39	30	20.0	10.0		
lower shell stringer - flg		19.05	13.34	15.24	17.15	19.36	18.83	-	-	0.22	1.15	30	20.0	10.0		
ob web plate - upr		15.88	11.91	13.23	14.56	16.04	15.96	-	-	-	-	25	16.7	8.3		
ob web plate - lwr		15.88	11.91	13.23	14.56	16.06	15.39	-	-	0.49	3.09	25	16.7	8.3		
face flat ob		19.05	14.29	15.88	17.46	19.44	19.52	-	-	-	-	25	16.7	8.3		
upper ib plate		9.53	7.15	7.94	8.74	9.76	9.75	-	-	-	-	25	16.7	8.3		
face flat upper ib		12.70	9.53	10.58	11.64	11.59	12.39	1.11	8.74	0.31	2.44	25	16.7	8.3		
upper flat bar stiffener		12.70	8.89	10.16	11.43	11.76		0.94	7.40			30	20.0	10.0		
2nd flat bar stiffener		12.70	8.89	10.16	11.43	12.64		0.06	0.47			30	20.0	10.0		
3rd flat bar stiffener		12.70	8.89	10.16	11.43	12.79		-	-			30	20.0	10.0		
bottom flat bar stiffener		12.70	8.89	10.16	11.43	12.67	12.42	0.03	0.24	0.28	2.20	30	20.0	10.0		

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 196			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 196															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.74	7.81	0.20	2.52	0.13	1.64	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	8.15	7.69	-	-	0.25	3.15	30	20.0	10.0	
upper shell frame end brkt - web		15.88	11.91	13.23	14.56	15.84	15.78	0.04	0.25	0.10	0.63	25	16.7	8.3	
upper shell frame end brkt - flg		15.88	11.91	13.23	14.56	16.22	15.74	-	-	0.14	0.88	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.38	16.38	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	15.97	16.00	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.28	15.98	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.14		-	-			25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.42	19.34	-	-	-	-	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.95		-	-			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.82		0.12	1.51			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 197			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 197															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.82	7.76	0.12	1.51	0.18	2.27	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.43	7.65	0.51	6.42	0.29	3.65	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.48	15.45	0.52	3.47	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.56	15.45	0.44	2.93	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.56	15.97	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.82	16.24	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.34	16.06	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.19		-	-			25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.44	19.62	-	-	-	-	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.68		0.26	3.27			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.67		0.27	3.40			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 198			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 198															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.70	7.73	0.24	3.02	0.21	2.64	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.74	7.62	0.20	2.52	0.32	4.03	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.48	15.95	0.52	3.47	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	15.16	15.38	-	-	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.43	15.70	-	-	0.18	1.13	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.24	15.99	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.27	15.96	-	-	-	-	25	16.7	8.3	
transverse floor - plate ob		15.88	11.91	13.23	14.56	16.16		-	-			25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.69	19.33	-	-	-	-	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.58		0.36	4.53			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.66		0.28	3.53			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION: Forepeak														
LOCATION OF STRUCTURE: Frame 199														
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
ob deckhead plating - ob		12.70	8.89	10.16	11.43	12.40	13.04	0.30	2.36	-	-	30	20.0	10.0
ob deckhead plating - ib		7.94	5.56	6.35	7.15	13.42	12.96	-	-	-	-	30	20.0	10.0
upper shell stringer - web		12.70	8.89	10.16	11.43	13.39	12.50	-	-	0.20	1.57	30	20.0	10.0
upper shell stringer - flg		19.05	13.34	15.24	17.15	19.67	19.47	-	-	-	-	30	20.0	10.0
ob web plate - upr		15.88	11.91	13.23	14.56	16.08	15.96	-	-	-	-	25	16.7	8.3
ob web plate - lwr		15.88	11.91	13.23	14.56	16.00	15.89	-	-	-	-	25	16.7	8.3
face flat ob		19.05	14.29	15.88	17.46	19.50	19.53	-	-	-	-	25	16.7	8.3
upper ib plate		9.53	7.15	7.94	8.74	9.49	9.58	0.04	0.42	-	-	25	16.7	8.3
face flat upper ib		12.70	9.53	10.58	11.64	12.57	12.52	0.13	1.02	0.18	1.42	25	16.7	8.3
upper flat bar stiffener		12.70	8.89	10.16	11.43	12.59		0.11	0.87			30	20.0	10.0
mid flat bar stiffener		12.70	8.89	10.16	11.43	12.56		0.14	1.10			30	20.0	10.0
lower flat bar stiffener		12.70	8.89	10.16	11.43	12.52		0.18	1.42			30	20.0	10.0
upper cl swash plate - upr		15.88	11.12	12.70	14.29	16.28		-	-			30	20.0	10.0
upper cl swash plate - lwr		15.88	11.12	12.70	14.29	16.19		-	-			30	20.0	10.0
cl swash stiffener - web		7.94	5.56	6.35	7.15	7.97		-	-			30	20.0	10.0
cl swash stiffener - flg		7.94	5.56	6.35	7.15	7.88		0.06	0.76			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 200			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 200															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.78	7.66	0.16	2.02	0.28	3.53	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.34	7.50	0.60	7.56	0.44	5.54	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	15.06	15.94	-	-	-	-	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.57	15.21	0.43	2.87	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	15.88	15.76	-	-	0.12	0.76	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.61	16.13	-	-	-	-	25	16.7	8.3	
transverse floor - plate		15.88	11.91	13.23	14.56	16.15	15.56	-	-	0.32	2.02	25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.40	19.56	-	-	-	-	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.66		0.28	3.53			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.66		0.28	3.53			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 201			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 201															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.76	7.75	0.18	2.27	0.19	2.39	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.76	7.64	0.18	2.27	0.30	3.78	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.45	14.53	0.55	3.67	0.47	3.13	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.48	14.42	0.52	3.47	0.58	3.87	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	16.26	16.22	-	-	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.21	15.25	-	-	0.63	3.97	25	16.7	8.3	
transverse floor - plate		15.88	11.91	13.23	14.56	16.23	15.36	-	-	0.52	3.27	25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.61	18.77	-	-	0.28	1.47	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.91		0.03	0.38			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.80		0.14	1.76			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 202			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 202															
deckhead angle stiffener - web		7.94	5.56	6.35	7.15	7.76	7.74	0.18	2.27	0.20	2.52	30	20.0	10.0	
deckhead angle stiffener - flg		7.94	5.56	6.35	7.15	7.74	7.69	0.20	2.52	0.25	3.15	30	20.0	10.0	
upper shell frame end brkt - web		15.00	11.25	12.50	13.75	14.51	14.52	0.49	3.27	0.48	3.20	25	16.7	8.3	
upper shell frame end brkt - flg		15.00	11.25	12.50	13.75	14.48	15.43	0.52	3.47	-	-	25	16.7	8.3	
shell frame - web		15.88	11.91	13.23	14.56	15.83	16.28	0.05	0.31	-	-	25	16.7	8.3	
shell frame - flg		15.88	11.91	13.23	14.56	16.15	15.51	-	-	0.37	2.33	25	16.7	8.3	
transverse floor - plate		15.88	11.91	13.23	14.56	16.17	15.86	-	-	0.02	0.13	25	16.7	8.3	
transverse floor - face flat		19.05	14.29	15.88	17.46	19.08	19.03	-	-	0.02	0.10	25	16.7	8.3	
cl swash plate stiffener - web		7.94	5.56	6.35	7.15	7.80		0.14	1.76			30	20.0	10.0	
cl swash plate stiffener - flg		7.94	5.56	6.35	7.15	7.82		0.12	1.51			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 203			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
web plate ob		15.88	11.91	13.23	14.56	15.82	15.81	0.06	0.38	0.07	0.44	25	16.7	8.3	
web plate ib		15.88	11.91	13.23	14.56	15.82	15.86	0.06	0.38	0.02	0.13	25	16.7	8.3	
deck plate		12.70	9.53	10.58	11.64	12.91	12.69	-	-	0.01	0.08	25	16.7	8.3	
ob stiffener - web		7.94	5.56	6.35	7.15	7.74	7.69	0.20	2.52	0.25	3.15	30	20.0	10.0	
ob stiffener - flg		7.94	5.56	6.35	7.15	7.70	7.42	0.24	3.02	0.52	6.55	30	20.0	10.0	
ib stiffener - web		7.94	5.56	6.35	7.15	7.59	7.43	0.35	4.41	0.51	6.42	30	20.0	10.0	
ib stiffener - flg		7.94	5.56	6.35	7.15	7.68	7.82	0.26	3.27	0.12	1.51	30	20.0	10.0	
web ring		12.70	9.53	10.58	11.64	12.70	14.13	-	-	-	-	25	16.7	8.3	
cl swash - upr		15.88	11.12	12.70	14.29	16.14		-	-			30	20.0	10.0	
cl swash - lwr		15.88	11.12	12.70	14.29	16.19		-	-			30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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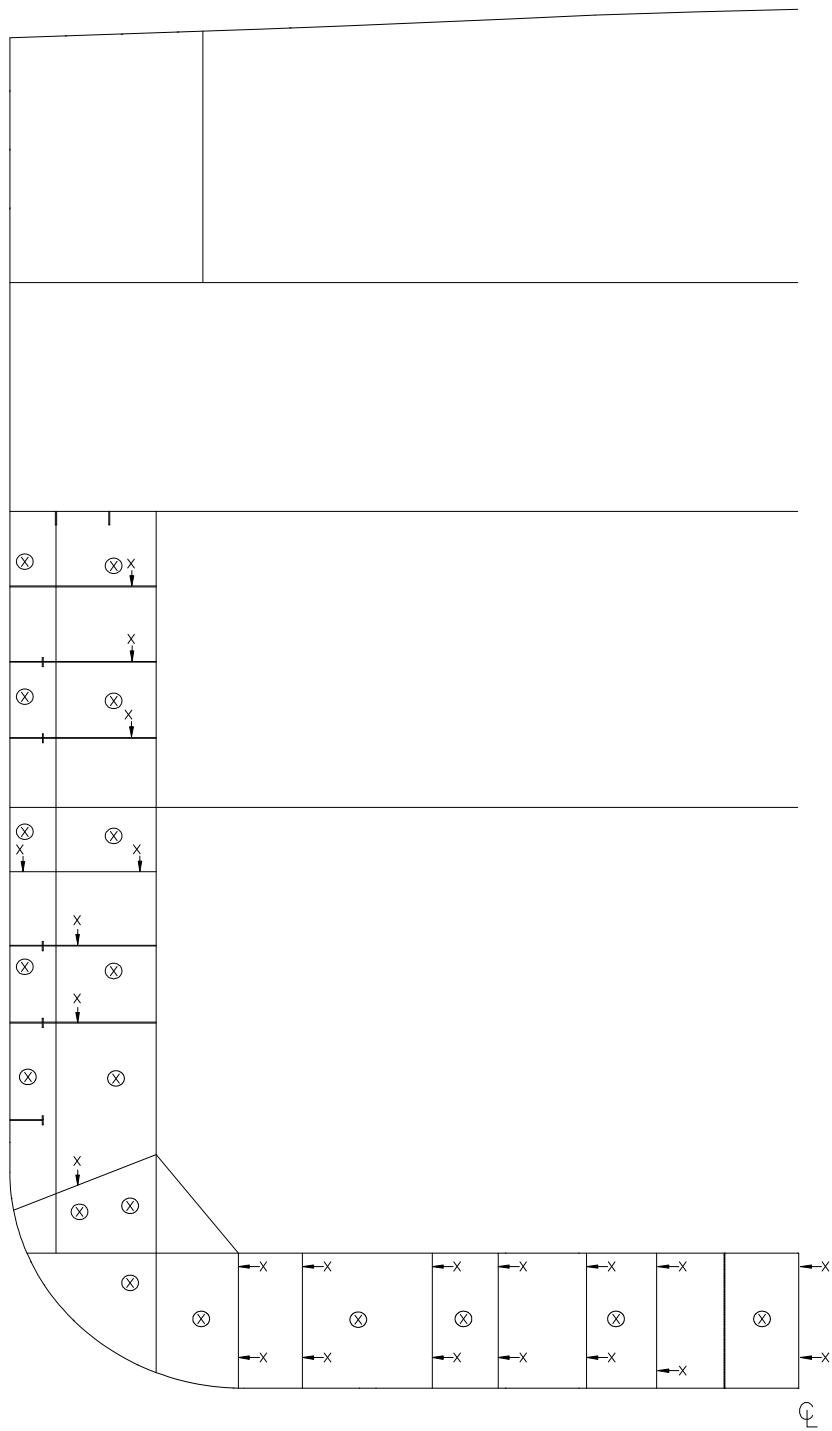
**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK DESCRIPTION:												Forepeak			
LOCATION OF STRUCTURE:												Frame 204,205,206			
STRUCTURAL MEMBER	ITEM	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
						P	S	mm	%	mm	%				
frame 204															
web plate ob		15.88	11.91	13.23	14.56	15.91	15.92	-	-	-	-	25	16.7	8.3	
web plate ib		15.88	11.91	13.23	14.56	15.89	15.60	-	-	0.28	1.76	25	16.7	8.3	
web ring		15.88	11.91	13.23	14.56	15.96	16.02	-	-	-	-	25	16.7	8.3	
frame 205															
web plate ob	web plate	15.88	11.91	13.23	14.56	15.92	15.85	-	-	0.03	0.19	25	16.7	8.3	
web plate ib	web plate	15.88	11.91	13.23	14.56	15.99	15.51	-	-	0.37	2.33	25	16.7	8.3	
web ring		15.88	11.91	13.23	14.56	16.04	15.62	-	-	0.26	1.64	25	16.7	8.3	
frame 206															
web plate ob		15.88	11.91	13.23	14.56	15.94	15.90	-	-	-	-	25	16.7	8.3	
web plate ib		15.88	11.91	13.23	14.56	15.95	15.95	-	-	-	-	25	16.7	8.3	
web ring		15.88	11.91	13.23	14.56	15.98	15.97	-	-	-	-	25	16.7	8.3	

Operator's Signature:	Surveyor's Signature:
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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank # 3													
LOCATION OF STRUCTURE: Frame 92 & 93													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
6th bay off cl													
plate - ob	12.70	9.53	10.58	11.64	12.58	13.17	0.12	0.94	-	-	25	16.7	8.3
plate - ib	12.70	9.53	10.58	11.64	12.87	13.21	-	-	-	-	25	16.7	8.3
5th girder off cl - upr	9.53	6.67	7.62	8.58	9.47	9.47	0.06	0.63	0.06	0.63	30	20.0	10.0
5th girder off cl - lwr	9.53	6.67	7.62	8.58	9.49	9.49	0.04	0.42	0.04	0.42	30	20.0	10.0
5th bay off cl													
plate	12.70	9.53	10.58	11.64	12.99	13.37	-	-	-	-	25	16.7	8.3
4th girder off cl - upr	15.88	11.12	12.70	14.29	16.81	16.65	-	-	-	-	30	20.0	10.0
4th girder off cl - lwr	15.88	11.12	12.70	14.29	16.53	16.82	-	-	-	-	30	20.0	10.0
4th bay off cl													
plate	12.70	9.53	10.58	11.64	12.99	13.08	-	-	-	-	25	16.7	8.3
3rd girder off cl - upr	15.88	11.12	12.70	14.29	16.37	16.66	-	-	-	-	30	20.0	10.0
3rd girder off cl - lwr	15.88	11.12	12.70	14.29	16.21	16.61	-	-	-	-	30	20.0	10.0
3rd bay off cl													
plate - ob	12.70	9.53	10.58	11.64	13.00	13.15	-	-	-	-	25	16.7	8.3
plate - ib	12.70	9.53	10.58	11.64	13.14	13.04	-	-	-	-	25	16.7	8.3
bracket	12.70	8.89	10.16	11.43	12.55	12.59	0.15	1.18	0.11	0.87	30	20.0	10.0
2nd girder off cl - upr	15.88	11.12	12.70	14.29	16.09	16.34	-	-	-	-	30	20.0	10.0
2nd girder off cl - lwr	15.88	11.12	12.70	14.29	16.59	16.31	-	-	-	-	30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 0	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION:		Fuel Oil Tank # 3												
LOCATION OF STRUCTURE:		Frame 92 & 93												
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
2nd bay off cl														
plate		12.70	9.53	10.58	11.64	13.14	13.05	-	-	-	-	25	16.7	8.3
1st girder off cl - upr		15.88	11.12	12.70	14.29	16.72	16.71	-	-	-	-	30	20.0	10.0
1st girder off cl - lwr		15.88	11.12	12.70	14.29	16.76	16.72	-	-	-	-	30	20.0	10.0
1st bay off cl														
plate - ob		12.70	9.53	10.58	11.64	13.02	12.95	-	-	-	-	25	16.7	8.3
plate - ib		12.70	9.53	10.58	11.64	13.30	13.01	-	-	-	-	25	16.7	8.3
bracket		12.70	8.89	10.16	11.43	13.04	13.04	-	-	-	-	30	20.0	10.0
cl girder - upr		12.70	8.89	10.16	11.43	13.54		-	-			30	20.0	10.0
cl girder - lwr		12.70	8.89	10.16	11.43	13.00		-	-			30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank # 2														
LOCATION OF STRUCTURE: Frame 123														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
5th bay off cl														
plate		12.70	9.53	10.58	11.64		13.25			-	-	25	16.7	8.3
5th girder off cl - upr		9.53	6.67	7.62	8.58	11.05	9.63	-	-	-	-	30	20.0	10.0
5th girder off cl - lwr		9.53	6.67	7.62	8.58	11.59	9.54	-	-	-	-	30	20.0	10.0
4th bay off cl														
plate - ob		12.70	9.53	10.58	11.64	12.88	13.27	-	-	-	-	25	16.7	8.3
plate - ib		12.70	9.53	10.58	11.64	12.90	13.08	-	-	-	-	25	16.7	8.3
4th girder off cl - upr		15.88	11.12	12.70	14.29	15.78	15.57	0.10	0.63	0.31	1.95	30	20.0	10.0
4th girder off cl - lwr		15.88	11.12	12.70	14.29	15.79	16.10	0.09	0.57	-	-	30	20.0	10.0
3rd bay off cl														
plate		12.70	9.53	10.58	11.64	12.91	13.23	-	-	-	-	25	16.7	8.3
3rd girder off cl - upr		15.88	11.12	12.70	14.29	15.93	16.03	-	-	-	-	30	20.0	10.0
3rd girder off cl - lwr		15.88	11.12	12.70	14.29	15.93	16.06	-	-	-	-	30	20.0	10.0
2nd bay off cl														
plate - ob		12.70	9.53	10.58	11.64	12.83	13.18	-	-	-	-	25	16.7	8.3
plate - ib		12.70	9.53	10.58	11.64	12.90	13.13	-	-	-	-	25	16.7	8.3
2nd girder off cl - upr		15.88	11.12	12.70	14.29	16.02	16.70	-	-	-	-	30	20.0	10.0
2nd girder off cl - lwr		15.88	11.12	12.70	14.29	16.07	16.25	-	-	-	-	30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank # 2														
LOCATION OF STRUCTURE: Frame 97														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
7th bay off cl														
plate		12.70	9.53	10.58	11.64	12.98	13.72	-	-	-	-	25	16.7	8.3
stiffener - web		6.35	4.45	5.08	5.72	6.38	6.42	-	-	-	-	30	20.0	10.0
stiffener - flg		6.35	4.45	5.08	5.72	6.25	6.23	0.10	1.57	0.12	1.89	30	20.0	10.0
6th bay off cl														
plate		12.70	9.53	10.58	11.64	13.04	12.67	-	-	0.03	0.24	25	16.7	8.3
bracket		12.70	8.89	10.16	11.43	12.64	12.63	0.06	0.47	0.07	0.55	30	20.0	10.0
stiffener - web		6.35	4.45	5.08	5.72	6.40	6.31	-	-	0.04	0.63	30	20.0	10.0
stiffener - flg		6.35	4.45	5.08	5.72	6.26	6.12	0.09	1.42	0.23	3.62	30	20.0	10.0
6th girder off cl - upr		9.53	6.67	7.62	8.58	9.51	9.57	0.02	0.21	-	-	30	20.0	10.0
6th girder off cl - lwr		9.53	6.67	7.62	8.58	9.64	9.61	-	-	-	-	30	20.0	10.0
5th bay off cl														
plate		12.70	9.53	10.58	11.64	13.00	12.92	-	-	-	-	25	16.7	8.3
stiffener - web		6.35	4.45	5.08	5.72	6.38	6.31	-	-	0.04	0.63	30	20.0	10.0
stiffener - flg		6.35	4.45	5.08	5.72	6.25	6.16	0.10	1.57	0.19	2.99	30	20.0	10.0
5th girder off cl - upr		15.88	11.12	12.70	14.29	16.20	16.66	-	-	-	-	30	20.0	10.0
5th girder off cl - lwr		15.88	11.12	12.70	14.29	16.05	16.06	-	-	-	-	30	20.0	10.0
4th bay off cl														
plate		12.70	9.53	10.58	11.64	12.94	12.80	-	-	-	-	25	16.7	8.3
4th girder off cl - upr		15.88	11.12	12.70	14.29	15.99	15.87	-	-	0.01	0.06	30	20.0	10.0
4th girder off cl - lwr		15.88	11.12	12.70	14.29	16.05	15.90	-	-	-	-	30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank # 2													
LOCATION OF STRUCTURE: Frame 97													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
3rd bay off cl													
plate	12.70	9.53	10.58	11.64	13.04	12.85	-	-	-	-	25	16.7	8.3
stiffener - web	6.35	4.45	5.08	5.72	6.41	6.33	-	-	0.02	0.31	30	20.0	10.0
stiffener - flg	6.35	4.45	5.08	5.72	6.32	6.11	0.03	0.47	0.24	3.78	30	20.0	10.0
3rd girder off cl - upr	15.88	11.12	12.70	14.29	16.60	15.80	-	-	0.08	0.50	30	20.0	10.0
3rd girder off cl - lwr	15.88	11.12	12.70	14.29	16.16	15.85	-	-	0.03	0.19	30	20.0	10.0
2nd bay off cl													
plate	12.70	9.53	10.58	11.64	12.77	12.84	-	-	-	-	25	16.7	8.3
2nd girder off cl - upr	15.88	11.12	12.70	14.29	16.12	16.70	-	-	-	-	30	20.0	10.0
2nd girder off cl - lwr	15.88	11.12	12.70	14.29	16.19	16.80	-	-	-	-	30	20.0	10.0
1st bay off cl													
1st girder off cl - upr	15.88	11.12	12.70	14.29	16.11	16.10	-	-	-	-	30	20.0	10.0
1st girder off cl - lwr	15.88	11.12	12.70	14.29	16.13	16.10	-	-	-	-	30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Wing Tank 3														
LOCATION OF STRUCTURE: Frame 95														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
upper portion of tank only														
plate - upper ob slab		15.88	11.91	13.23	14.56	15.95	15.89	-	-	-	-	25	16.7	8.3
plate - upper ob		9.53	7.15	7.94	8.74	9.63	9.65	-	-	-	-	25	16.7	8.3
plate - upper ib		9.53	7.15	7.94	8.74	9.75	9.77	-	-	-	-	25	16.7	8.3
plate - lower ob slab		15.88	11.91	13.23	14.56	15.96	15.95	-	-	-	-	25	16.7	8.3
plate - lower ob		9.53	7.15	7.94	8.74	9.69	9.73	-	-	-	-	25	16.7	8.3
plate - lower ib		9.53	7.15	7.94	8.74	9.81	9.79	-	-	-	-	25	16.7	8.3
vertical siffener - web		9.00	6.30	7.20	8.10	9.34	9.30	-	-	-	-	30	20.0	10.0
vertical siffener - flg		9.00	6.30	7.20	8.10	8.90	8.86	0.10	1.11	0.14	1.56	30	20.0	10.0
vertical siffener - top bracket		12.70	8.89	10.16	11.43	12.88	12.90	-	-	-	-	30	20.0	10.0
vertical siffener - bottom bracket		12.70	8.89	10.16	11.43	12.90	12.89	-	-	-	-	30	20.0	10.0
top flat bar stiffener		12.70	8.89	10.16	11.43	12.66	12.64	0.04	0.31	0.06	0.47	30	20.0	10.0
2nd stiffener down - web		12.70	8.89	10.16	11.43	12.88	12.84	-	-	-	-	30	20.0	10.0
2nd stiffener down - flg		12.70	8.89	10.16	11.43	12.76	12.69	-	-	0.01	0.08	30	20.0	10.0
3rd stiffener down (f.b)		12.70	8.89	10.16	11.43	12.57	12.56	0.13	1.02	0.14	1.10	30	20.0	10.0
4th stiffener down - web		12.70	8.89	10.16	11.43	13.03	13.12	-	-	-	-	30	20.0	10.0
4th stiffener down - flg		12.70	8.89	10.16	11.43	12.79	12.74	-	-	-	-	30	20.0	10.0
5th stiffener down (f.b)		12.70	8.89	10.16	11.43	12.60	12.57	0.10	0.79	0.13	1.02	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Wing Tank 2													
LOCATION OF STRUCTURE: Frame 123													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
upper level													
plate - upper ob slab	15.88	11.91	13.23	14.56	15.94	16.29	-	-	-	-	25	16.7	8.3
plate - upper ob	9.53	7.15	7.94	8.74	9.31	9.23	0.22	2.31	0.30	3.15	25	16.7	8.3
plate - upper ib	9.53	7.15	7.94	8.74	9.27	9.18	0.26	2.73	0.35	3.67	25	16.7	8.3
plate - lower ob slab	15.88	11.91	13.23	14.56	15.83	16.20	0.05	0.31	-	-	25	16.7	8.3
plate - lower ob	9.53	7.15	7.94	8.74	9.23	9.26	0.30	3.15	0.27	2.83	25	16.7	8.3
plate - lower ib	9.53	7.15	7.94	8.74	9.22	9.21	0.31	3.25	0.32	3.36	25	16.7	8.3
vertical stiffener - web	9.00	6.30	7.20	8.10	9.27	9.21	-	-	-	-	30	20.0	10.0
vertical stiffener - flg	9.00	6.30	7.20	8.10	9.20	9.23	-	-	-	-	30	20.0	10.0
vertical stiffener - top bracket	12.70	8.89	10.16	11.43	12.71	12.68	-	-	0.02	0.16	30	20.0	10.0
vertical stiffener - bottom bracket	12.70	8.89	10.16	11.43	12.61	12.65	0.09	0.71	0.05	0.39	30	20.0	10.0
top flat bar stiffener	12.70	8.89	10.16	11.43	12.78	12.76	-	-	-	-	30	20.0	10.0
mid flat bar stiffener	12.70	8.89	10.16	11.43	12.62	12.58	0.08	0.63	0.12	0.94	30	20.0	10.0
bottom flat bar stiffener	12.70	8.89	10.16	11.43	12.68	12.66	0.02	0.16	0.04	0.31	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Wing Tank 2														
LOCATION OF STRUCTURE: Frame 123														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
lower level														
plate - upper ob slab		15.88	11.91	13.23	14.56	16.50	16.09	-	-	-	-	25	16.7	8.3
plate - upper ib		15.88	11.91	13.23	14.56	16.21	16.19	-	-	-	-	25	16.7	8.3
plate - lower ob slab		15.88	11.91	13.23	14.56	16.44	15.99	-	-	-	-	25	16.7	8.3
plate - lower ib		15.88	11.91	13.23	14.56	16.23	16.12	-	-	-	-	25	16.7	8.3
top flat bar stiffener		12.70	8.89	10.16	11.43	12.73	12.74	-	-	-	-	30	20.0	10.0
mid flat bar stiffener		12.70	8.89	10.16	11.43	12.64	12.61	0.06	0.47	0.09	0.71	30	20.0	10.0
3rd stiffener down - web		12.70	8.89	10.16	11.43	12.38	12.73	0.32	2.52	-	-	30	20.0	10.0
3rd stiffener down - face flat		12.70	8.89	10.16	11.43	12.74	12.68	-	-	0.02	0.16	30	20.0	10.0
4th stiffener down - web		12.70	8.89	10.16	11.43	12.88	12.85	-	-	-	-	30	20.0	10.0
4th stiffener down - face flat		12.70	8.89	10.16	11.43	12.72	12.67	-	-	0.03	0.24	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Wing Tank 3													
LOCATION OF STRUCTURE: Frame 61													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
upper level													
plate - upper ob slab	15.88	11.91	13.23	14.56	15.63	15.73	0.25	1.57	0.15	0.94	25	16.7	8.3
plate - upper ob	9.53	7.15	7.94	8.74	9.32	9.32	0.21	2.20	0.21	2.20	25	16.7	8.3
plate - upper ib	9.53	7.15	7.94	8.74	9.34	9.36	0.19	1.99	0.17	1.78	25	16.7	8.3
plate - lower ob slab	15.88	11.91	13.23	14.56	15.64	15.59	0.24	1.51	0.29	1.83	25	16.7	8.3
plate - lower ib	9.53	7.15	7.94	8.74	9.42	9.36	0.11	1.15	0.17	1.78	25	16.7	8.3
top flat bar stiffener	12.70	8.89	10.16	11.43	12.75	12.77	-	-	-	-	30	20.0	10.0
mid flat bar stiffener	12.70	8.89	10.16	11.43	13.08	13.08	-	-	-	-	30	20.0	10.0
bottom flat bar stiffener	12.70	8.89	10.16	11.43	13.10	12.50	-	-	0.20	1.57	30	20.0	10.0
2nd stiffener down - web	12.70	8.89	10.16	11.43	12.77	12.79	-	-	-	-	30	20.0	10.0
2nd stiffener down - face flat	12.70	8.89	10.16	11.43	12.74	12.67	-	-	0.03	0.24	30	20.0	10.0
4th stiffener down - web	12.70	8.89	10.16	11.43	12.86	12.88	-	-	-	-	30	20.0	10.0
4th stiffener down - face flat	12.70	8.89	10.16	11.43	12.75	12.71	-	-	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Wing Tank 3													
LOCATION OF STRUCTURE: Frame 61													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
lower level													
plate - upper ob slab	15.88	11.91	13.23	14.56	15.55	15.58	0.33	2.08	0.30	1.89	25	16.7	8.3
plate - upper ib	9.53	7.15	7.94	8.74	9.43	9.38	0.10	1.05	0.15	1.57	25	16.7	8.3
plate - lower ob slab	15.88	11.91	13.23	14.56	15.65	15.54	0.23	1.45	0.34	2.14	25	16.7	8.3
plate - lower ib	9.53	7.15	7.94	8.74	13.15	13.10	-	-	-	-	25	16.7	8.3
top flat bar stiffener	12.70	8.89	10.16	11.43	12.73	12.76	-	-	-	-	30	20.0	10.0
2nd stiffener down - web	12.70	8.89	10.16	11.43	13.33	12.23	-	-	0.47	3.70	30	20.0	10.0
2nd stiffener down - flg	12.70	8.89	10.16	11.43	12.78	12.54	-	-	0.16	1.26	30	20.0	10.0
3rd stiffener down - web	12.70	8.89	10.16	11.43	12.31	12.72	0.39	3.07	-	-	30	20.0	10.0
3rd stiffener down - face flat	12.70	8.89	10.16	11.43	12.59	12.72	0.11	0.87	-	-	30	20.0	10.0
4th stiffener down - web	12.70	8.89	10.16	11.43	13.03	12.26	-	-	0.44	3.46	30	20.0	10.0
4th stiffener down - flg	12.70	8.89	10.16	11.43	12.51	12.57	0.19	1.50	0.13	1.02	30	20.0	10.0
4th stiffener down - web	12.70	8.89	10.16	11.43	12.23	12.82	0.47	3.70	-	-	30	20.0	10.0
4th stiffener down - face flat	12.70	8.89	10.16	11.43	12.71	12.77	-	-	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank 3														
LOCATION OF STRUCTURE: Frame 61														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
8th bay off cl														
plate		15.88	11.91	13.23	14.56	15.85	16.68	0.03	0.19	-	-	25	16.7	8.3
7th girder off cl - upr		9.53	6.67	7.62	8.58	9.42	9.39	0.11	1.15	0.14	1.47	30	20.0	10.0
7th girder off cl - lwr		9.53	6.67	7.62	8.58	9.28	9.46	0.25	2.62	0.07	0.73	30	20.0	10.0
7th bay off cl														
plate		15.88	11.91	13.23	14.56	16.09	16.14	-	-	-	-	25	16.7	8.3
6th girder off cl - upr		15.88	11.12	12.70	14.29	16.00	16.05	-	-	-	-	30	20.0	10.0
6th girder off cl - lwr		15.88	11.12	12.70	14.29	15.97	15.95	-	-	-	-	30	20.0	10.0
6th bay off cl														
plate		12.70	9.53	10.58	11.64	12.84	12.24	-	-	0.46	3.62	25	16.7	8.3
5th girder off cl - upr		15.88	11.12	12.70	14.29	16.57	15.68	-	-	0.20	1.26	30	20.0	10.0
5th girder off cl - lwr		15.88	11.12	12.70	14.29	15.70	15.67	0.18	1.13	0.21	1.32	30	20.0	10.0
5th bay off cl														
plate		12.70	9.53	10.58	11.64	13.00	12.91	-	-	-	-	25	16.7	8.3
4th girder off cl - upr		25.40	17.78	20.32	22.86	25.35	25.45	0.05	0.20	-	-	30	20.0	10.0
4th girder off cl - lwr		25.40	17.78	20.32	22.86	25.44	25.44	-	-	-	-	30	20.0	10.0
4th bay off cl														
plate		12.70	9.53	10.58	11.64	12.98	12.91	-	-	-	-	25	16.7	8.3
3rd girder off cl - upr		15.88	11.12	12.70	14.29	16.47	16.59	-	-	-	-	30	20.0	10.0
3rd girder off cl - lwr		15.88	11.12	12.70	14.29	16.52	16.15	-	-	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fuel Oil Tank 3													
LOCATION OF STRUCTURE: Frame 61													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
3rd bay off cl													
plate	12.70	9.53	10.58	11.64	13.05	12.98	-	-	-	-	25	16.7	8.3
2nd girder off cl - upr	9.53	6.67	7.62	8.58	16.14	16.13	-	-	-	-	30	20.0	10.0
2nd girder off cl - lwr	9.53	6.67	7.62	8.58	15.66	16.11	-	-	-	-	30	20.0	10.0
2nd bay off cl													
plate	12.70	9.53	10.58	11.64	13.03	13.09	-	-	-	-	25	16.7	8.3
1st girder off cl - upr	25.40	17.78	20.32	22.86	25.52	25.44	-	-	-	-	30	20.0	10.0
1st girder off cl - lwr	25.40	17.78	20.32	22.86	25.58	25.45	-	-	-	-	30	20.0	10.0
1st bay off cl													
plate	12.70	9.53	10.58	11.64	12.97	12.79	-	-	-	-	25	16.7	8.3
centerline girder - upr	12.70	8.89	10.16	11.43	13.14		-	-			30	20.0	10.0
centerline girder - lwr	12.70	8.89	10.16	11.43	13.45		-	-			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Aftpeak														
LOCATION OF STRUCTURE: Frame 0														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		15.88	11.91	13.23	14.56	15.96	15.91	-	-	-	-	25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56	15.84	15.89	0.04	0.25	-	-	25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56	16.04	15.88	-	-	-	-	25	16.7	8.3
2nd ib plt - ob		15.88	11.91	13.23	14.56	15.85	15.91	0.03	0.19	-	-	25	16.7	8.3
2nd ib plt - mid		15.88	11.91	13.23	14.56	15.79	15.88	0.09	0.57	-	-	25	16.7	8.3
2nd ib plt - ib		7.94	5.96	6.62	7.28	8.12	7.76	-	-	0.18	2.27	25	16.7	8.3
3rd ib plt - ob		7.94	5.96	6.62	7.28	8.02	7.76	-	-	0.18	2.27	25	16.7	8.3
3rd ib plt - mid		7.94	5.96	6.62	7.28	7.94	7.88	-	-	0.06	0.76	25	16.7	8.3
3rd ib plt - ib		7.94	5.96	6.62	7.28	8.02	7.98	-	-	-	-	25	16.7	8.3
4th ib plt - ob		7.94	5.96	6.62	7.28	7.91	7.89	0.03	0.38	0.05	0.63	25	16.7	8.3
4th ib plt - mid		7.94	5.96	6.62	7.28	7.91	7.90	0.03	0.38	0.04	0.50	25	16.7	8.3
4th ib plt - ib		12.70	9.53	10.58	11.64	12.97	12.05	-	-	0.65	5.12	25	16.7	8.3
5th ib plt - ob		7.94	5.96	6.62	7.28	7.59	7.72	0.35	4.41	0.22	2.77	25	16.7	8.3
5th ib plt - mid		7.94	5.96	6.62	7.28	7.63	7.67	0.31	3.90	0.27	3.40	25	16.7	8.3
5th ib plt - ib		7.94	5.96	6.62	7.28	7.67	7.69	0.27	3.40	0.25	3.15	25	16.7	8.3
ib lower plt - ib		7.94	5.96	6.62	7.28	7.72	7.65	0.22	2.77	0.29	3.65	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fresh water tank													
LOCATION OF STRUCTURE: Frame 27													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
ob plate - ob	15.88	11.91	13.23	14.56	15.87	15.89	0.01	0.06	-	-	25	16.7	8.3
ob plate - ib	15.88	11.91	13.23	14.56	16.26	15.88	-	-	-	-	25	16.7	8.3
ib plate - ob	7.94	5.96	6.62	7.28	9.62	8.32	-	-	-	-	25	16.7	8.3
ib plate - ib	7.94	5.96	6.62	7.28	9.70	8.40	-	-	-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners													
ob - web	7.94	5.56	6.35	7.15	7.58	7.50	0.36	4.53	0.44	5.54	30	20.0	10.0
ob - flg	7.94	5.56	6.35	7.15	7.66	7.53	0.28	3.53	0.41	5.16	30	20.0	10.0
2nd ib - web	7.94	5.56	6.35	7.15	7.52	7.58	0.42	5.29	0.36	4.53	30	20.0	10.0
2nd ib - flg	7.94	5.56	6.35	7.15	7.57	7.51	0.37	4.66	0.43	5.42	30	20.0	10.0
3rd ib - web	7.94	5.56	6.35	7.15	7.54	7.59	0.40	5.04	0.35	4.41	30	20.0	10.0
3rd ib - flg	7.94	5.56	6.35	7.15	7.63	7.62	0.31	3.90	0.32	4.03	30	20.0	10.0
4th ib - web	7.94	5.56	6.35	7.15	7.68	7.67	0.26	3.27	0.27	3.40	30	20.0	10.0
4th ib - flg	7.94	5.56	6.35	7.15	7.70	7.84	0.24	3.02	0.10	1.26	30	20.0	10.0
5th ib - web	7.94	5.56	6.35	7.15	7.74	7.63	0.20	2.52	0.31	3.90	30	20.0	10.0
5th ib - flg	7.94	5.56	6.35	7.15	7.74	7.64	0.20	2.52	0.30	3.78	30	20.0	10.0
6th ib - web	7.94	5.56	6.35	7.15	7.70	7.53	0.24	3.02	0.41	5.16	30	20.0	10.0
6th ib - flg	7.94	5.56	6.35	7.15	7.60	7.65	0.34	4.28	0.29	3.65	30	20.0	10.0
7th ib - web	7.94	5.56	6.35	7.15	7.59	7.60	0.35	4.41	0.34	4.28	30	20.0	10.0
7th ib - flg	7.94	5.56	6.35	7.15	7.74	7.61	0.20	2.52	0.33	4.16	30	20.0	10.0

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Fresh water tank													
LOCATION OF STRUCTURE: Frame 27													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners													
8th ib - web	7.94	5.56	6.35	7.15	7.55	7.72	0.39	4.91	0.22	2.77	30	20.0	10.0
8th ib - flg	7.94	5.56	6.35	7.15	7.67	7.80	0.27	3.40	0.14	1.76	30	20.0	10.0
9th ib - web	7.94	5.56	6.35	7.15	7.68	7.67	0.26	3.27	0.27	3.40	30	20.0	10.0
9th ib - flg	7.94	5.56	6.35	7.15	7.62	7.61	0.32	4.03	0.33	4.16	30	20.0	10.0
side bulkhead to engine room													
upper	7.94	5.96	6.62	7.28	8.48	8.81	-	-	-	-	25	16.7	8.3
lower	7.94	5.96	6.62	7.28	8.57	8.83	-	-	-	-	25	16.7	8.3
Inboard Bulkhead Fr. 13 to Fr. 27													
Aft - upr	7.94	5.96	6.62	7.28	8.47	8.23	-	-	-	-	25	16.7	8.3
Aft - lwr	7.94	5.96	6.62	7.28	8.41	8.60	-	-	-	-	25	16.7	8.3
Fwd - upr	7.94	5.96	6.62	7.28	8.39	8.81	-	-	-	-	25	16.7	8.3
Fwd - lwr	7.94	5.96	6.62	7.28	8.54	8.72	-	-	-	-	25	16.7	8.3

Estimated Original Thickness

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Feed water tank													
LOCATION OF STRUCTURE: Frame 30													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
ob plate - top	15.88	11.91	13.23	14.56	15.74	15.72	0.14	0.88	0.16	1.01	25	16.7	8.3
ob plate - lwr	15.88	11.91	13.23	14.56	15.79	15.84	0.09	0.57	0.04	0.25	25	16.7	8.3
2nd ib plt - ob	9.53	7.15	7.94	8.74	10.15	10.24	-	-	-	-	25	16.7	8.3
2nd ib plt - ib	9.53	7.15	7.94	8.74	10.01	10.02	-	-	-	-	25	16.7	8.3
ib upper plt - ob	7.94	5.96	6.62	7.28	7.91	8.01	0.03	0.38	-	-	25	16.7	8.3
ib upper plt - ib	7.94	5.96	6.62	7.28	8.19	8.10	-	-	-	-	25	16.7	8.3
ib lower plt - ob	7.94	5.96	6.62	7.28	7.91	7.72	0.03	0.38	0.22	2.77	25	16.7	8.3
ib lower plt - ib	7.94	5.96	6.62	7.28	7.76	7.91	0.18	2.27	0.03	0.38	25	16.7	8.3
Transverse Bulkhead Stiffeners													
ob - web	7.94	5.56	6.35	7.15	7.61	7.91	0.33	4.16	0.03	0.38	30	20.0	10.0
ob - flg	7.94	5.56	6.35	7.15	7.53	7.88	0.41	5.16	0.06	0.76	30	20.0	10.0
2nd ib - web	7.94	5.56	6.35	7.15	9.31	9.37	-	-	-	-	30	20.0	10.0
2nd ib - flg	7.94	5.56	6.35	7.15	9.09	9.22	-	-	-	-	30	20.0	10.0
3rd ib - web	7.94	5.56	6.35	7.15	7.74	7.78	0.20	2.52	0.16	2.02	30	20.0	10.0
3rd ib - flg	7.94	5.56	6.35	7.15	7.84	7.74	0.10	1.26	0.20	2.52	30	20.0	10.0
4th ib - web	7.94	5.56	6.35	7.15	7.93	7.91	0.01	0.13	0.03	0.38	30	20.0	10.0
4th ib - flg	7.94	5.56	6.35	7.15	7.89	7.80	0.05	0.63	0.14	1.76	30	20.0	10.0
5th ib - web	7.94	5.56	6.35	7.15	7.84	8.11	0.10	1.26	-	-	30	20.0	10.0
5th ib - flg	7.94	5.56	6.35	7.15	7.74	8.06	0.20	2.52	-	-	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Feed water tank														
LOCATION OF STRUCTURE: Frame 30														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners														
6th ib - web		7.94	5.56	6.35	7.15	7.55	8.14	0.39	4.91	-	-	30	20.0	10.0
6th ib - flg		7.94	5.56	6.35	7.15	7.67	7.93	0.27	3.40	0.01	0.13	30	20.0	10.0
7th ib - web		7.94	5.56	6.35	7.15	7.82	7.91	0.12	1.51	0.03	0.38	30	20.0	10.0
7th ib - flg		7.94	5.56	6.35	7.15	7.65	7.64	0.29	3.65	0.30	3.78	30	20.0	10.0
8th ib - web		7.94	5.56	6.35	7.15	9.10	8.04	-	-	-	-	30	20.0	10.0
8th ib - flg		7.94	5.56	6.35	7.15	9.19	8.00	-	-	-	-	30	20.0	10.0
9th ib - web		7.94	5.56	6.35	7.15	9.12	7.82	-	-	0.12	1.51	30	20.0	10.0
9th ib - flg		7.94	5.56	6.35	7.15	9.25	7.86	-	-	0.08	1.01	30	20.0	10.0
Inboard Bulkhead Fr. 27 to Fr. 30														
Aft - upr		7.94	5.96	6.62	7.28	8.55	8.27	-	-	-	-	25	16.7	8.3
Aft - lwr		7.94	5.96	6.62	7.28	7.62	8.23	0.32	4.03	-	-	25	16.7	8.3
Fwd - upr		7.94	5.96	6.62	7.28	8.24	8.56	-	-	-	-	25	16.7	8.3
Fwd - lwr		7.94	5.96	6.62	7.28	8.16	8.62	-	-	-	-	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft													
LOCATION OF STRUCTURE: Frame 30													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
Lwr Strake - ib plate ib	12.70	9.53	10.58	11.64	12.47	12.47	0.23	1.81	0.23	1.81	25	16.7	8.3
Lwr Strake - ib plate 2nd ob	12.70	9.53	10.58	11.64	12.45	12.64	0.25	1.97	0.06	0.47	25	16.7	8.3
Lwr Strake - ib plate 3rd ob	12.70	9.53	10.58	11.64	12.53	12.73	0.17	1.34	-	-	25	16.7	8.3
Lwr Strake - ib plate 4th ob	12.70	9.53	10.58	11.64	12.49	12.87	0.21	1.65	-	-	25	16.7	8.3
Lwr Strake - ob plate 5th ob	25.40	19.05	21.17	23.28	26.03	25.91	-	-	-	-	25	16.7	8.3
Lwr Strake - ob plate 6th ob	25.40	19.05	21.17	23.28	26.00	25.90	-	-	-	-	25	16.7	8.3
Upr Strake - ib plate ib	9.53	7.14	7.94	8.73	9.53	9.55	-	-	-	-	25	16.7	8.3
Upr Strake - ib plate 2nd ob	9.53	7.14	7.94	8.73	9.62	9.54	-	-	-	-	25	16.7	8.3
Upr Strake - ib plate 3rd ob	9.53	7.14	7.94	8.73	9.60	9.59	-	-	-	-	25	16.7	8.3
Upr Strake - ib plate 4th ob	9.53	7.14	7.94	8.73	9.66	9.58	-	-	-	-	25	16.7	8.3
Upr Strake - ob plate 5th ob	9.53	7.14	7.94	8.73	10.34	9.53	-	-	-	-	25	16.7	8.3
Upr Strake - ob plate 6th ob	9.53	7.14	7.94	8.73	9.93	9.57	-	-	-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners													
ib - web	11.11	7.78	8.89	10.00	11.21	10.91	-	-	0.20	1.80	30	20.0	10.0
ib - flg	11.11	7.78	8.89	10.00	10.99	10.76	0.12	1.08	0.35	3.15	30	20.0	10.0
2nd ob - web	11.11	7.78	8.89	10.00	11.20	11.19	-	-	-	-	30	20.0	10.0
2nd ob - flg	11.11	7.78	8.89	10.00	11.02	11.05	0.09	0.81	0.06	0.54	30	20.0	10.0
3rd ob - web	11.11	7.78	8.89	10.00	11.16	11.21	-	-	-	-	30	20.0	10.0
3rd ob - flg	11.11	7.78	8.89	10.00	11.48	11.00	-	-	0.11	0.99	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft													
LOCATION OF STRUCTURE: Frame 30													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners													
4th ob - web	11.11	7.78	8.89	10.00	11.23	11.20	-	-	-	-	30	20.0	10.0
4th ob - flg	11.11	7.78	8.89	10.00	11.02	10.95	0.09	0.81	0.16	1.44	30	20.0	10.0
5th ob - web	12.70	8.89	10.16	11.43	12.98	12.86	-	-	-	-	30	20.0	10.0
5th ob - flg	12.70	8.89	10.16	11.43	12.90	12.75	-	-	-	-	30	20.0	10.0
6th ob - web	9.53	6.67	7.62	8.57	9.20	9.20	0.33	3.41	0.33	3.41	30	20.0	10.0
6th ob - flg	9.53	6.67	7.62	8.57	9.21	9.10	0.32	3.31	0.43	4.46	30	20.0	10.0
7th ob - web	9.53	6.67	7.62	8.57	9.23	9.23	0.30	3.10	0.30	3.10	30	20.0	10.0
7th ob - flg	9.53	6.67	7.62	8.57	9.20	9.05	0.33	3.41	0.48	4.99	30	20.0	10.0
8th ob - web	9.53	6.67	7.62	8.57	9.16	9.16	0.37	3.83	0.37	3.83	30	20.0	10.0
8th ob - flg	9.53	6.67	7.62	8.57	9.11	9.14	0.42	4.36	0.39	4.04	30	20.0	10.0
9th ob - web	11.11	7.78	8.89	10.00	12.71	12.73	-	-	-	-	30	20.0	10.0
9th ob - flg	11.11	7.78	8.89	10.00	12.64	12.63	-	-	-	-	30	20.0	10.0
10th ob - web	11.11	7.78	8.89	10.00	10.88	10.88	0.23	2.07	0.23	2.07	30	20.0	10.0
10th ob - flg	11.11	7.78	8.89	10.00	11.02	11.10	0.09	0.81	0.01	0.09	30	20.0	10.0
11th ob - web	11.11	7.78	8.89	10.00	10.98	11.16	0.13	1.17	-	-	30	20.0	10.0
11th ob - flg	11.11	7.78	8.89	10.00	10.98	11.00	0.13	1.17	0.11	0.99	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft														
LOCATION OF STRUCTURE: Frame 18														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		15.88	11.91	13.23	14.56	15.90	16.12	-	-	-	-	25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56	15.97	16.07	-	-	-	-	25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56	16.10	16.00	-	-	-	-	25	16.7	8.3
2nd ib plt - ob		7.94	5.96	6.62	7.28	7.75	9.38	0.19	2.39	-	-	25	16.7	8.3
2nd ib plt - ib		7.94	5.96	6.62	7.28	7.94	9.37	-	-	-	-	25	16.7	8.3
ib upper plt - ob		7.94	5.96	6.62	7.28	7.80	9.35	0.14	1.76	-	-	25	16.7	8.3
ib upper plt - ib		7.94	5.96	6.62	7.28	7.89	8.15	0.05	0.63	-	-	25	16.7	8.3
ib lower plt - ob		7.94	5.96	6.62	7.28	7.86	8.10	0.08	1.01	-	-	25	16.7	8.3
ib lower plt - ib		7.94	5.96	6.62	7.28	7.83	7.97	0.11	1.39	-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		11.11	7.78	8.89	10.00	12.23	10.89	-	-	0.22	1.98	30	20.0	10.0
ib - flg		11.11	7.78	8.89	10.00	13.07	11.04	-	-	0.07	0.63	30	20.0	10.0
2nd ob - web		11.11	7.78	8.89	10.00	12.37	10.96	-	-	0.15	1.35	30	20.0	10.0
2nd ob - flg		11.11	7.78	8.89	10.00	12.96	10.94	-	-	0.17	1.53	30	20.0	10.0
3rd ob - web		7.94	5.56	6.35	7.15	7.32	7.79	0.62	7.81	0.15	1.89	30	20.0	10.0
3rd ob - flg		7.94	5.56	6.35	7.15	7.36	7.39	0.58	7.30	0.55	6.93	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft													
LOCATION OF STRUCTURE: Frame 18													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners													
4th ob - web	7.94	5.56	6.35	7.15	7.77	7.75	0.17	2.14	0.19	2.39	30	20.0	10.0
4th ob - flg	7.94	5.56	6.35	7.15	7.30	7.38	0.64	8.06	0.56	7.05	30	20.0	10.0
5th ob - web	7.94	5.56	6.35	7.15	8.12	7.93	-	-	0.01	0.13	30	20.0	10.0
5th ob - flg	7.94	5.56	6.35	7.15	7.95	7.85	-	-	0.09	1.13	30	20.0	10.0
6th ob - web	11.11	7.78	8.89	10.00	11.69	11.78	-	-	-	-	30	20.0	10.0
6th ob - flg	11.11	7.78	8.89	10.00	12.97	12.93	-	-	-	-	30	20.0	10.0
7th ob - web	7.94	5.56	6.35	7.15	8.08	8.11	-	-	-	-	30	20.0	10.0
7th ob - flg	7.94	5.56	6.35	7.15	7.90	8.01	0.04	0.50	-	-	30	20.0	10.0
8th ob - web	7.94	5.56	6.35	7.15	7.82	7.73	0.12	1.51	0.21	2.64	30	20.0	10.0
8th ob - flg	7.94	5.56	6.35	7.15	7.77	7.81	0.17	2.14	0.13	1.64	30	20.0	10.0
9th ob - web	7.94	5.56	6.35	7.15	7.86	7.91	0.08	1.01	0.03	0.38	30	20.0	10.0
9th ob - flg	7.94	5.56	6.35	7.15	7.95	7.90	-	-	0.04	0.50	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft														
LOCATION OF STRUCTURE: Frame 18 - 30														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Centerline Bulkhead Plating														
Lower Strake - aft		7.94	5.96	6.62	7.28	7.88		0.06	0.76			25	16.7	8.3
Upper Strake - aft		7.94	5.96	6.62	7.28	7.87		0.07	0.88			25	16.7	8.3
Lower Strake - 1st fwd		7.94	5.96	6.62	7.28	7.83		0.11	1.39			25	16.7	8.3
Upper Strake - 1st fwd		7.94	5.96	6.62	7.28	7.34		0.60	7.56			25	16.7	8.3
Lower Strake - 2nd fwd		7.94	5.96	6.62	7.28	7.34		0.60	7.56			25	16.7	8.3
Upper Strake - 2nd fwd		7.94	5.96	6.62	7.28	7.86		0.08	1.01			25	16.7	8.3
Lower Strake - 3rd fwd		7.94	5.96	6.62	7.28	7.84		0.10	1.26			25	16.7	8.3
Upper Strake - 3rd fwd		7.94	5.96	6.62	7.28	7.91		0.03	0.38			25	16.7	8.3
Lower Strake - 4th fwd		7.94	5.96	6.62	7.28	7.83		0.11	1.39			25	16.7	8.3
Upper Strake - 4th fwd		7.94	5.96	6.62	7.28	7.87		0.07	0.88			25	16.7	8.3
Lower Strake - 5th fwd		7.94	5.96	6.62	7.28	7.88		0.06	0.76			25	16.7	8.3
Upper Strake - 5th fwd		7.94	5.96	6.62	7.28	7.95		-	-			25	16.7	8.3
Lower Strake - fwd		7.94	5.96	6.62	7.28	7.93		0.01	0.13			25	16.7	8.3
Upper Strake - fwd		7.94	5.96	6.62	7.28	7.43		0.51	6.42			25	16.7	8.3
Centerline Bulkhead Stiffeners														
aft - web		9.53	6.67	7.62	8.57	9.16		0.37	3.83			30	20.0	10.0
aft - flg		9.53	6.67	7.62	8.57	9.10		0.43	4.46			30	20.0	10.0
2nd fwd - web		9.53	6.67	7.62	8.57	8.97		0.56	5.83			30	20.0	10.0
2nd fwd - flg		9.53	6.67	7.62	8.57	9.09		0.44	4.57			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Deep Fuel Oil Tank Aft														
LOCATION OF STRUCTURE: Frame 18 - 30														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Centerline Bulkhead Stiffeners														
3rd fwd - web		9.53	6.67	7.62	8.57	9.23		0.30	3.10			30	20.0	10.0
3rd fwd - flg		9.53	6.67	7.62	8.57	9.15		0.38	3.94			30	20.0	10.0
4th fwd - web		9.53	6.67	7.62	8.57	9.27		0.26	2.68			30	20.0	10.0
4th fwd - flg		9.53	6.67	7.62	8.57	9.14		0.39	4.04			30	20.0	10.0
5th fwd - web		9.53	6.67	7.62	8.57	9.20		0.33	3.41			30	20.0	10.0
5th fwd - flg		9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
6th fwd - web		9.53	6.67	7.62	8.57	9.27		0.26	2.68			30	20.0	10.0
6th fwd - flg		9.53	6.67	7.62	8.57	9.13		0.40	4.15			30	20.0	10.0
7th fwd - web		9.53	6.67	7.62	8.57	9.19		0.34	3.52			30	20.0	10.0
7th fwd - flg		9.53	6.67	7.62	8.57	9.20		0.33	3.41			30	20.0	10.0
8th fwd - web		9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
8th fwd - flg		9.53	6.67	7.62	8.57	9.04		0.49	5.09			30	20.0	10.0
9th fwd - web		9.53	6.67	7.62	8.57	9.24		0.29	2.99			30	20.0	10.0
9th fwd - flg		9.53	6.67	7.62	8.57	9.15		0.38	3.94			30	20.0	10.0
10th fwd - web		9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
10th fwd - flg		9.53	6.67	7.62	8.57	9.12		0.41	4.25			30	20.0	10.0
11th fwd - web		9.53	6.67	7.62	8.57	9.20		0.33	3.41			30	20.0	10.0
11th fwd - flg		9.53	6.67	7.62	8.57	9.14		0.39	4.04			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Aft Cofferdam														
LOCATION OF STRUCTURE: Frame 13														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		15.88	11.91	13.23	14.56	16.17	16.57	-	-	-	-	25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56	16.19	16.26	-	-	-	-	25	16.7	8.3
2nd ib plt - ob		15.88	11.91	13.23	14.56	15.92	16.29	-	-	-	-	25	16.7	8.3
2nd ib plt - ib		15.88	11.91	13.23	14.56	16.17	16.54	-	-	-	-	25	16.7	8.3
ib upper plt - ob		7.94	5.96	6.62	7.28	7.98	8.09	-	-	-	-	25	16.7	8.3
ib upper plt - ib		7.94	5.96	6.62	7.28	7.99	8.13	-	-	-	-	25	16.7	8.3
ib lower plt - ob		7.94	5.96	6.62	7.28	8.05	8.11	-	-	-	-	25	16.7	8.3
ib lower plt - ib		7.94	5.96	6.62	7.28	8.01	7.98	-	-	-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners														
ob - web		7.94	5.56	6.35	7.15	7.63	7.65	0.31	3.90	0.29	3.65	30	20.0	10.0
ob - flg		7.94	5.56	6.35	7.15	7.64	7.66	0.30	3.78	0.28	3.53	30	20.0	10.0
2nd ib - web		7.94	5.56	6.35	7.15	7.60	7.86	0.34	4.28	0.08	1.01	30	20.0	10.0
2nd ib - flg		7.94	5.56	6.35	7.15	7.55	7.91	0.39	4.91	0.03	0.38	30	20.0	10.0
3rd ib - web		7.94	5.56	6.35	7.15	8.85	8.87	-	-	-	-	30	20.0	10.0
3rd ib - flg		7.94	5.56	6.35	7.15	8.87	8.34	-	-	-	-	30	20.0	10.0
4th ib - web		7.94	5.56	6.35	7.15	7.94	7.61	-	-	0.33	4.16	30	20.0	10.0
4th ib - flg		7.94	5.56	6.35	7.15	8.00	7.67	-	-	0.27	3.40	30	20.0	10.0
5th ib - web		7.94	5.56	6.35	7.15	8.05	7.62	-	-	0.32	4.03	30	20.0	10.0
5th ib - flg		7.94	5.56	6.35	7.15	7.58	7.63	0.36	4.53	0.31	3.90	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Aft Cofferdam													
LOCATION OF STRUCTURE: Frame 13													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners													
6th ib - web	7.94	5.56	6.35	7.15	7.53	7.95	0.41	5.16	-	-	30	20.0	10.0
6th ib - flg	7.94	5.56	6.35	7.15	7.98	7.96	-	-	-	-	30	20.0	10.0
7th ib - web	7.94	5.56	6.35	7.15	7.57	7.59	0.37	4.66	0.35	4.41	30	20.0	10.0
7th ib - flg	7.94	5.56	6.35	7.15	7.65	7.60	0.29	3.65	0.34	4.28	30	20.0	10.0
8th ib - web	7.94	5.56	6.35	7.15	7.98	7.60	-	-	0.34	4.28	30	20.0	10.0
8th ib - flg	7.94	5.56	6.35	7.15	8.06	7.68	-	-	0.26	3.27	30	20.0	10.0
9th ib - web	7.94	5.56	6.35	7.15	8.31	7.59	-	-	0.35	4.41	30	20.0	10.0
9th ib - flg	7.94	5.56	6.35	7.15	8.05	7.77	-	-	0.17	2.14	30	20.0	10.0
10th ib - web	7.94	5.56	6.35	7.15	7.65	7.74	0.29	3.65	0.20	2.52	30	20.0	10.0
10th ib - flg	7.94	5.56	6.35	7.15	7.82	7.82	0.12	1.51	0.12	1.51	30	20.0	10.0
11th ib - web	7.94	5.56	6.35	7.15	7.69	7.67	0.25	3.15	0.27	3.40	30	20.0	10.0
11th ib - flg	7.94	5.56	6.35	7.15	7.77	7.82	0.17	2.14	0.12	1.51	30	20.0	10.0
CL - web	7.94	5.56	6.35	7.15	8.01		-	-			30	20.0	10.0
CL - flg	7.94	5.56	6.35	7.15	8.03		-	-			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Heeling Tank														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		7.94	5.96	6.62	7.28	7.32		0.62	7.81			25	16.7	8.3
ob plate - mid		7.94	5.96	6.62	7.28	7.90		0.04	0.50			25	16.7	8.3
ob plate - lwr		7.94	5.96	6.62	7.28	7.91		0.03	0.38			25	16.7	8.3
2nd ib plt - ob		7.94	5.96	6.62	7.28	8.11		-	-			25	16.7	8.3
2nd ib plt - ib		7.94	5.96	6.62	7.28	8.40		-	-			25	16.7	8.3
ib upper plt - ob		7.94	5.96	6.62	7.28	7.71		0.23	2.90			25	16.7	8.3
ib upper plt - ib		7.94	5.96	6.62	7.28	8.04		-	-			25	16.7	8.3
ib lower plt - ob		7.94	5.96	6.62	7.28	8.06		-	-			25	16.7	8.3
ib lower plt - ib		7.94	5.96	6.62	7.28	7.83		0.11	1.39			25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		9.53	6.67	7.62	8.57	9.22		0.31	3.20			30	20.0	10.0
ib - flg		9.53	6.67	7.62	8.57	8.97		0.56	5.83			30	20.0	10.0
2nd ob - web		9.53	6.67	7.62	8.57	9.30		0.23	2.36			30	20.0	10.0
2nd ob - flg		9.53	6.67	7.62	8.57	9.09		0.44	4.57			30	20.0	10.0
3rd ob - web		9.53	6.67	7.62	8.57	9.26		0.27	2.78			30	20.0	10.0
3rd ob - flg		9.53	6.67	7.62	8.57	9.12		0.41	4.25			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Heeling Tank														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Stiffeners														
4th ob - web		9.53	6.67	7.62	8.57	9.34		0.19	1.94			30	20.0	10.0
4th ob - flg		9.53	6.67	7.62	8.57	9.15		0.38	3.94			30	20.0	10.0
5th ob - web		9.53	6.67	7.62	8.57	9.31		0.22	2.26			30	20.0	10.0
5th ob - flg		9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
6th ob - web		9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
6th ob - flg		9.53	6.67	7.62	8.57	9.02		0.51	5.30			30	20.0	10.0
7th ob - web		9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
7th ob - flg		9.53	6.67	7.62	8.57	9.06		0.47	4.88			30	20.0	10.0
8th ob - web		9.53	6.67	7.62	8.57	9.31		0.22	2.26			30	20.0	10.0
8th ob - flg		9.53	6.67	7.62	8.57	9.25		0.28	2.89			30	20.0	10.0
9th ob - web		12.70	8.89	10.16	11.43	12.23		0.47	3.70			30	20.0	10.0
9th ob - flg		12.70	8.89	10.16	11.43	12.93		-	-			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Heeling Tank													
LOCATION OF STRUCTURE: Frame 138 to 165													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Centerline Bulkhead Plating													
aft - top	7.94	5.96	6.62	7.28	8.62		-	-			25	16.7	8.3
aft - mid	7.94	5.96	6.62	7.28	8.28		-	-			25	16.7	8.3
aft - lwr	7.94	5.96	6.62	7.28	7.84		0.10	1.26			25	16.7	8.3
2nd fwd plt - ob	7.94	5.96	6.62	7.28	8.26		-	-			25	16.7	8.3
2nd fwd plt - ib	7.94	5.96	6.62	7.28	8.62		-	-			25	16.7	8.3
3rd fwd plt - ob	7.94	5.96	6.62	7.28	8.15		-	-			25	16.7	8.3
3rd fwd plt - ib	7.94	5.96	6.62	7.28	8.85		-	-			25	16.7	8.3
fwd plt - ob	7.94	5.96	6.62	7.28	8.84		-	-			25	16.7	8.3
fwd plt - ib	7.94	5.96	6.62	7.28	8.35		-	-			25	16.7	8.3
Centerline Bulkhead Stiffeners													
aft - web	9.53	6.67	7.62	8.57	9.27		0.26	2.68			30	20.0	10.0
aft - flg	9.53	6.67	7.62	8.57	9.18		0.35	3.62			30	20.0	10.0
2nd fwd - web	9.53	6.67	7.62	8.57	9.26		0.27	2.78			30	20.0	10.0
2nd fwd - flg	9.53	6.67	7.62	8.57	9.30		0.23	2.36			30	20.0	10.0
3rd fwd - web	9.53	6.67	7.62	8.57	9.30		0.23	2.36			30	20.0	10.0
3rd fwd - flg	9.53	6.67	7.62	8.57	9.25		0.28	2.89			30	20.0	10.0
4th fwd - web	9.53	6.67	7.62	8.57	9.28		0.25	2.57			30	20.0	10.0
4th fwd - flg	9.53	6.67	7.62	8.57	9.77		-	-			30	20.0	10.0
5th fwd - web	9.53	6.67	7.62	8.57	9.30		0.23	2.36			30	20.0	10.0
5th fwd - flg	9.53	6.67	7.62	8.57	9.31		0.22	2.26			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Heeling Tank														
LOCATION OF STRUCTURE: Frame 138 to 165														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Centerline Bulkhead Stiffeners														
6th fwd - web		9.53	6.67	7.62	8.57	9.29		0.24	2.47			30	20.0	10.0
6th fwd - flg		9.53	6.67	7.62	8.57	9.84		-	-			30	20.0	10.0
7th fwd - web		9.53	6.67	7.62	8.57	9.34		0.19	1.94			30	20.0	10.0
7th fwd - flg		9.53	6.67	7.62	8.57	9.06		0.47	4.88			30	20.0	10.0
8th fwd - web		9.53	6.67	7.62	8.57	9.35		0.18	1.84			30	20.0	10.0
8th fwd - flg		9.53	6.67	7.62	8.57	9.38		0.15	1.52			30	20.0	10.0
9th fwd - web		9.53	6.67	7.62	8.57	9.32		0.21	2.15			30	20.0	10.0
9th fwd - flg		9.53	6.67	7.62	8.57	9.20		0.33	3.41			30	20.0	10.0
10th fwd - web		9.53	6.67	7.62	8.57	9.31		0.22	2.26			30	20.0	10.0
10th fwd - flg		9.53	6.67	7.62	8.57	8.99		0.54	5.62			30	20.0	10.0
11th fwd - web		9.53	6.67	7.62	8.57	9.34		0.19	1.94			30	20.0	10.0
11th fwd - flg		9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
12th fwd - web		9.53	6.67	7.62	8.57	9.30		0.23	2.36			30	20.0	10.0
12th fwd - flg		9.53	6.67	7.62	8.57	9.58		-	-			30	20.0	10.0
13th fwd - web		9.53	6.67	7.62	8.57	9.25		0.28	2.89			30	20.0	10.0
13th fwd - flg		9.53	6.67	7.62	8.57	9.18		0.35	3.62			30	20.0	10.0
14th fwd - web		9.53	6.67	7.62	8.57	9.01		0.52	5.41			30	20.0	10.0
14th fwd - flg		9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
15th fwd - web		9.53	6.67	7.62	8.57	9.15		0.38	3.94			30	20.0	10.0
15th fwd - flg		9.53	6.67	7.62	8.57	9.02		0.51	5.30			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Heeling Tank													
LOCATION OF STRUCTURE: Frame 138 to 165													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Centerline Bulkhead Stiffeners													
16th fwd - web	9.53	6.67	7.62	8.57	9.16		0.37	3.83			30	20.0	10.0
16th fwd - flg	9.53	6.67	7.62	8.57	9.14		0.39	4.04			30	20.0	10.0
17th fwd - web	9.53	6.67	7.62	8.57	9.65		-	-			30	20.0	10.0
17th fwd - flg	9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
18th fwd - web	9.53	6.67	7.62	8.57	9.78		-	-			30	20.0	10.0
18th fwd - flg	9.53	6.67	7.62	8.57	9.56		-	-			30	20.0	10.0
19th fwd - web	9.53	6.67	7.62	8.57	9.78		-	-			30	20.0	10.0
19th fwd - flg	9.53	6.67	7.62	8.57	9.22		0.31	3.20			30	20.0	10.0
20th fwd - web	9.53	6.67	7.62	8.57	9.70		-	-			30	20.0	10.0
20th fwd - flg	9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
21st fwd - web	9.53	6.67	7.62	8.57	9.72		-	-			30	20.0	10.0
21st fwd - flg	9.53	6.67	7.62	8.57	9.23		0.30	3.10			30	20.0	10.0
22nd fwd - web	9.53	6.67	7.62	8.57	9.57		-	-			30	20.0	10.0
22nd fwd - flg	9.53	6.67	7.62	8.57	9.16		0.37	3.83			30	20.0	10.0
23rd fwd - web	9.53	6.67	7.62	8.57	9.01		0.52	5.41			30	20.0	10.0
23rd fwd - flg	9.53	6.67	7.62	8.57	9.06		0.47	4.88			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION:		Heeling Tank												
LOCATION OF STRUCTURE:		Frame 165												
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		15.88	11.91	13.23	14.56	15.07		0.81	5.10			25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56	16.67		-	-			25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56	16.72		-	-			25	16.7	8.3
2nd ib plt - ob		7.94	5.96	6.62	7.28	7.76		0.18	2.27			25	16.7	8.3
2nd ib plt - ib		7.94	5.96	6.62	7.28	7.46		0.48	6.05			25	16.7	8.3
ib upper plt - ob		7.94	5.96	6.62	7.28	8.10		-	-			25	16.7	8.3
ib upper plt - ib		7.94	5.96	6.62	7.28	7.79		0.15	1.89			25	16.7	8.3
ib lower plt - ob		7.94	5.96	6.62	7.28	8.04		-	-			25	16.7	8.3
ib lower plt - ib		7.94	5.96	6.62	7.28	8.10		-	-			25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Upper Flume Tank													
LOCATION OF STRUCTURE: Frame 127													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
Upper Strake													
ob plate - top	15.88	11.91	13.23	14.56	17.01	15.71	-	-	0.17	1.07	25	16.7	8.3
ob plate - lwr	15.88	11.91	13.23	14.56	17.10	15.45	-	-	0.43	2.71	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28	8.73	8.74	-	-	-	-	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	8.77	8.92	-	-	-	-	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	7.74	7.66	0.20	2.52	0.28	3.53	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28	8.11	7.69	-	-	0.25	3.15	25	16.7	8.3
3rd ib plt - ob	7.94	5.96	6.62	7.28	7.70	7.73	0.24	3.02	0.21	2.64	25	16.7	8.3
3rd ib plt - ib	7.94	5.96	6.62	7.28	7.67	7.40	0.27	3.40	0.54	6.80	25	16.7	8.3
Lower Strake													
ob plate - top	15.88	11.91	13.23	14.56	15.76	15.65	0.12	0.76	0.23	1.45	25	16.7	8.3
ob plate - lwr	15.88	11.91	13.23	14.56	16.77	15.66	-	-	0.22	1.39	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28	8.87	7.98	-	-	-	-	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	8.79	7.39	-	-	0.55	6.93	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	8.26	7.94	-	-	-	-	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28	7.61	8.41	0.33	4.16	-	-	25	16.7	8.3
3rd ib plt - ob	7.94	5.96	6.62	7.28	7.70	8.05	0.24	3.02	-	-	25	16.7	8.3
3rd ib plt - ib	7.94	5.96	6.62	7.28	7.43	7.52	0.51	6.42	0.42	5.29	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Upper Flume Tank													
LOCATION OF STRUCTURE: Frame 138													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
Upper Strake													
ob plate - top	15.88	11.91	13.23	14.56	15.67	15.68	0.21	1.32	0.20	1.26	25	16.7	8.3
ob plate - lwr	15.88	11.91	13.23	14.56	15.79	15.68	0.09	0.57	0.20	1.26	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28	7.59	7.63	0.35	4.41	0.31	3.90	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	8.19	7.88	-	-	0.06	0.76	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	7.69	7.74	0.25	3.15	0.20	2.52	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28	7.76	7.81	0.18	2.27	0.13	1.64	25	16.7	8.3
3rd ib plt - ob	7.94	5.96	6.62	7.28	7.69	8.27	0.25	3.15	-	-	25	16.7	8.3
3rd ib plt - ib	7.94	5.96	6.62	7.28	7.44	7.29	0.50	6.30	0.65	8.19	25	16.7	8.3
Lower Strake													
ob plate - top	15.88	11.91	13.23	14.56	16.48	15.79	-	-	0.09	0.57	25	16.7	8.3
ob plate - lwr	15.88	11.91	13.23	14.56	15.69	15.67	0.19	1.20	0.21	1.32	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28	7.82	8.05	0.12	1.51	-	-	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	7.67	7.89	0.27	3.40	0.05	0.63	25	16.7	8.3
2nd ib plt - mid	7.94	5.96	6.62	7.28	8.01	7.67	-	-	0.27	3.40	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28	7.69	7.86	0.25	3.15	0.08	1.01	25	16.7	8.3
3rd ib plt - ob	7.94	5.96	6.62	7.28	7.97	7.79	-	-	0.15	1.89	25	16.7	8.3
3rd ib plt - ib	7.94	5.96	6.62	7.28	7.84	7.70	0.10	1.26	0.24	3.05	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION:												Lower Flume Tank				
LOCATION OF STRUCTURE:												Frame 127				
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
						P	S	mm	%	mm	%					
Transverse Bulkhead Plating																
ob plate - top		15.88	11.91	13.23	14.56	16.25	15.87	-	-	0.01	0.06	25	16.7	8.3		
ob plate - lwr		15.88	11.91	13.23	14.56	16.28	16.38	-	-	-	-	25	16.7	8.3		
2nd ib plt - ob		7.94	5.96	6.62	7.28	8.97	8.64	-	-	-	-	25	16.7	8.3		
2nd ib plt - mid		7.94	5.96	6.62	7.28	8.25	7.99	-	-	-	-	25	16.7	8.3		
2nd ib plt - mid		7.94	5.96	6.62	7.28	8.34	7.84	-	-	0.10	1.26	25	16.7	8.3		
2nd ib plt - ib		7.94	5.96	6.62	7.28	7.95	7.69	-	-	0.25	3.15	25	16.7	8.3		
3rd ib plt - ob		7.94	5.96	6.62	7.28	7.69	7.59	0.25	3.15	0.35	4.41	25	16.7	8.3		
3rd ib plt - ib		7.94	5.96	6.62	7.28	7.94	7.81	-	-	0.13	1.64	25	16.7	8.3		

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION:		Lower Flume Tank												
LOCATION OF STRUCTURE:		Frame 138												
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - top		15.88	11.91	13.23	14.56	16.25	16.09	-	-	-	-	25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56	16.08	16.02	-	-	-	-	25	16.7	8.3
2nd ib plt - ob		7.94	5.96	6.62	7.28	8.67	8.09	-	-	-	-	25	16.7	8.3
2nd ib plt - mid		7.94	5.96	6.62	7.28	8.37	8.31	-	-	-	-	25	16.7	8.3
2nd ib plt - mid		7.94	5.96	6.62	7.28	7.84	8.14	0.10	1.26	-	-	25	16.7	8.3
2nd ib plt - ib		7.94	5.96	6.62	7.28	7.94	8.31	-	-	-	-	25	16.7	8.3
3rd ib plt - ob		7.94	5.96	6.62	7.28	7.98	8.07	-	-	-	-	25	16.7	8.3
3rd ib plt - ib		7.94	5.96	6.62	7.28	7.86	7.92	0.08	1.01	0.02	0.25	25	16.7	8.3
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Port Fwd														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - upr		15.88	11.91	13.23	14.56	16.27		-	-			25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56	15.85		0.03	0.19			25	16.7	8.3
2nd ib plt - upr		11.11	8.33	9.26	10.18	10.99		0.12	1.08			25	16.7	8.3
2nd ib plt - lwr		9.53	7.14	7.94	8.73	10.16		-	-			25	16.7	8.3
3rd ib - upr		11.11	8.33	9.26	10.18	11.35		-	-			25	16.7	8.3
3rd ib - lwr		9.53	7.14	7.94	8.73	9.38		0.15	1.52			25	16.7	8.3
4th ib - upr		11.11	8.33	9.26	10.18	11.00		0.11	0.99			25	16.7	8.3
4th ib - lwr		9.53	7.14	7.94	8.73	9.27		0.26	2.68			25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		12.70	8.89	10.16	11.43	12.86		-	-			30	20.0	10.0
ib - flg		12.70	8.89	10.16	11.43	13.01		-	-			30	20.0	10.0
2nd ob - web		12.70	8.89	10.16	11.43	12.82		-	-			30	20.0	10.0
2nd ob - flg		12.70	8.89	10.16	11.43	13.06		-	-			30	20.0	10.0
3rd ob - web		12.70	8.89	10.16	11.43	12.31		0.39	3.07			30	20.0	10.0
3rd ob - flg		12.70	8.89	10.16	11.43	12.43		0.27	2.13			30	20.0	10.0
4th ob - web		12.70	8.89	10.16	11.43	12.41		0.29	2.28			30	20.0	10.0
4th ob - flg		12.70	8.89	10.16	11.43	12.27		0.43	3.39			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Port Fwd														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - upr		15.88	11.91	13.23	14.56	15.60		0.28	1.76			25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56	15.61		0.27	1.70			25	16.7	8.3
ob plate - lwr		11.11	8.33	9.26	10.18	15.63		-	-			25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		9.53	6.67	7.62	8.57	9.27		0.26	2.68			30	20.0	10.0
ib - flg		9.53	6.67	7.62	8.57	9.18		0.35	3.62			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Port Fwd													
LOCATION OF STRUCTURE: Frame 138 to 158													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Inboard Bulkhead Plating													
aft - top	7.94	5.96	6.62	7.28	8.13		-	-			25	16.7	8.3
aft - mid	7.94	5.96	6.62	7.28	8.12		-	-			25	16.7	8.3
aft - lwr	7.94	5.96	6.62	7.28	8.14		-	-			25	16.7	8.3
2nd fwd plt - ob	7.94	5.96	6.62	7.28	8.14		-	-			25	16.7	8.3
2nd fwd plt - ib	7.94	5.96	6.62	7.28	8.03		-	-			25	16.7	8.3
2nd fwd plt - ob	7.94	5.96	6.62	7.28	8.04		-	-			25	16.7	8.3
2nd fwd plt - ib	7.94	5.96	6.62	7.28	7.85		0.09	1.13			25	16.7	8.3
3rd upper plt - ob	7.94	5.96	6.62	7.28	7.84		0.10	1.26			25	16.7	8.3
3rd upper plt - ib	7.94	5.96	6.62	7.28	7.85		0.09	1.13			25	16.7	8.3
3rd lower plt - ob	7.94	5.96	6.62	7.28	7.84		0.10	1.26			25	16.7	8.3
3rd lower plt - ib	7.94	5.96	6.62	7.28	7.87		0.07	0.88			25	16.7	8.3
Inboard Bulkhead Stiffeners													
aft - web	9.53	6.67	7.62	8.57	9.02		0.51	5.30			30	20.0	10.0
aft - flg	9.53	6.67	7.62	8.57	9.11		0.42	4.36			30	20.0	10.0
2nd fwd - web	9.53	6.67	7.62	8.57	9.21		0.32	3.31			30	20.0	10.0
2nd fwd - flg	9.53	6.67	7.62	8.57	8.99		0.54	5.62			30	20.0	10.0
3rd fwd - web	9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
3rd fwd - flg	9.53	6.67	7.62	8.57	9.03		0.50	5.20			30	20.0	10.0
4th fwd - web	9.53	6.67	7.62	8.57	9.14		0.39	4.04			30	20.0	10.0
4th fwd - flg	9.53	6.67	7.62	8.57	9.07		0.46	4.78			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Port Fwd													
LOCATION OF STRUCTURE: Frame 138 to 158													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Inboard Bulkhead Stiffeners													
5th fwd - web	9.53	6.67	7.62	8.57	9.26		0.27	2.78			30	20.0	10.0
5th fwd - flg	9.53	6.67	7.62	8.57	9.16		0.37	3.83			30	20.0	10.0
6th fwd - web	9.53	6.67	7.62	8.57	9.04		0.49	5.09			30	20.0	10.0
6th fwd - flg	9.53	6.67	7.62	8.57	9.03		0.50	5.20			30	20.0	10.0
7th fwd - web	9.53	6.67	7.62	8.57	9.08		0.45	4.67			30	20.0	10.0
7th fwd - flg	9.53	6.67	7.62	8.57	9.02		0.51	5.30			30	20.0	10.0
8th fwd - web	9.53	6.67	7.62	8.57	9.15		0.38	3.94			30	20.0	10.0
8th fwd - flg	9.53	6.67	7.62	8.57	9.54		-	-			30	20.0	10.0
9th fwd - web	9.53	6.67	7.62	8.57	9.04		0.49	5.09			30	20.0	10.0
9th fwd - flg	9.53	6.67	7.62	8.57	9.02		0.51	5.30			30	20.0	10.0
10th fwd - web	9.53	6.67	7.62	8.57	9.10		0.43	4.46			30	20.0	10.0
10th fwd - flg	9.53	6.67	7.62	8.57	9.05		0.48	4.99			30	20.0	10.0
11th fwd - web	9.53	6.67	7.62	8.57	9.06		0.47	4.88			30	20.0	10.0
11th fwd - flg	9.53	6.67	7.62	8.57	9.01		0.52	5.41			30	20.0	10.0
12th fwd - web	9.53	6.67	7.62	8.57	9.11		0.42	4.36			30	20.0	10.0
12th fwd - flg	9.53	6.67	7.62	8.57	9.07		0.46	4.78			30	20.0	10.0
13th fwd - web	9.53	6.67	7.62	8.57	9.12		0.41	4.25			30	20.0	10.0
13th fwd - flg	9.53	6.67	7.62	8.57	8.96		0.57	5.93			30	20.0	10.0
14th fwd - web	9.53	6.67	7.62	8.57	9.17		0.36	3.73			30	20.0	10.0
14th fwd - flg	9.53	6.67	7.62	8.57	9.06		0.47	4.88			30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Stbd Fwd														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - upr		15.88	11.91	13.23	14.56		15.55			0.33	2.08	25	16.7	8.3
ob plate - lwr		15.88	11.91	13.23	14.56		15.75			0.13	0.82	25	16.7	8.3
2nd ib plt - upr		11.11	8.33	9.26	10.18		10.97			0.14	1.26	25	16.7	8.3
2nd ib plt - lwr		9.53	7.14	7.94	8.73		9.74			-	-	25	16.7	8.3
3rd ib - upr		11.11	8.33	9.26	10.18		10.99			0.12	1.08	25	16.7	8.3
3rd ib - lwr		9.53	7.14	7.94	8.73		9.73			-	-	25	16.7	8.3
4th ib - upr		11.11	8.33	9.26	10.18		10.94			0.17	1.53	25	16.7	8.3
4th ib - lwr		9.53	7.14	7.94	8.73		9.87			-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		12.70	8.89	10.16	11.43		12.95			-	-	30	20.0	10.0
ib - flg		12.70	8.89	10.16	11.43		13.13			-	-	30	20.0	10.0
2nd ob - web		12.70	8.89	10.16	11.43		12.75			-	-	30	20.0	10.0
2nd ob - flg		12.70	8.89	10.16	11.43		13.13			-	-	30	20.0	10.0
3rd ob - web		12.70	8.89	10.16	11.43		12.34			0.36	2.83	30	20.0	10.0
3rd ob - flg		12.70	8.89	10.16	11.43		12.35			0.35	2.76	30	20.0	10.0
4th ob - web		12.70	8.89	10.16	11.43		12.54			0.16	1.26	30	20.0	10.0
4th ob - flg		12.70	8.89	10.16	11.43		12.28			0.42	3.31	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Stbd Fwd														
LOCATION OF STRUCTURE: Frame 138														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
ob plate - upr		15.88	11.91	13.23	14.56		15.77			0.11	0.69	25	16.7	8.3
ob plate - mid		15.88	11.91	13.23	14.56		16.24			-	-	25	16.7	8.3
ob plate - lwr		11.11	8.33	9.26	10.18		15.74			-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners														
ib - web		9.53	6.67	7.62	8.57		9.23			0.30	3.10	30	20.0	10.0
ib - flg		9.53	6.67	7.62	8.57		9.15			0.38	3.94	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Stbd Fwd													
LOCATION OF STRUCTURE: Frame 138 to 158													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Inboard Bulkhead Plating													
ob plate - top	7.94	5.96	6.62	7.28		7.88			0.06	0.76	25	16.7	8.3
ob plate - mid	7.94	5.96	6.62	7.28		7.86			0.08	1.01	25	16.7	8.3
ob plate - lwr	7.94	5.96	6.62	7.28		7.84			0.10	1.26	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28		7.93			0.01	0.13	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28		7.93			0.01	0.13	25	16.7	8.3
2nd ib plt - ob	7.94	5.96	6.62	7.28		7.82			0.12	1.51	25	16.7	8.3
2nd ib plt - ib	7.94	5.96	6.62	7.28		7.83			0.11	1.39	25	16.7	8.3
ib upper plt - ob	7.94	5.96	6.62	7.28		7.93			0.01	0.13	25	16.7	8.3
ib upper plt - ib	7.94	5.96	6.62	7.28		7.77			0.17	2.14	25	16.7	8.3
ib lower plt - ob	7.94	5.96	6.62	7.28		7.75			0.19	2.39	25	16.7	8.3
ib lower plt - ib	7.94	5.96	6.62	7.28		7.86			0.08	1.01	25	16.7	8.3
Inboard Bulkhead Stiffeners													
aft - web	9.53	6.67	7.62	8.57		9.09			0.44	4.57	30	20.0	10.0
aft - flg	9.53	6.67	7.62	8.57		9.05			0.48	4.99	30	20.0	10.0
2nd fwd - web	9.53	6.67	7.62	8.57		8.98			0.55	5.72	30	20.0	10.0
2nd fwd - flg	9.53	6.67	7.62	8.57		9.14			0.39	4.04	30	20.0	10.0
3rd fwd - web	9.53	6.67	7.62	8.57		9.09			0.44	4.57	30	20.0	10.0
3rd fwd - flg	9.53	6.67	7.62	8.57		9.15			0.38	3.94	30	20.0	10.0
4th fwd - web	9.53	6.67	7.62	8.57		9.25			0.28	2.89	30	20.0	10.0
4th fwd - flg	9.53	6.67	7.62	8.57		9.31			0.22	2.26	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Lower Fuel Oil Wing Tank Stbd Fwd														
LOCATION OF STRUCTURE: Frame 138 to 158														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Inboard Bulkhead Stiffeners														
5th fwd - web		9.53	6.67	7.62	8.57		9.27			0.26	2.68	30	20.0	10.0
5th fwd - flg		9.53	6.67	7.62	8.57		9.22			0.31	3.20	30	20.0	10.0
6th fwd - web		9.53	6.67	7.62	8.57		9.27			0.26	2.68	30	20.0	10.0
6th fwd - flg		9.53	6.67	7.62	8.57		9.18			0.35	3.62	30	20.0	10.0
7th fwd - web		9.53	6.67	7.62	8.57		9.13			0.40	4.15	30	20.0	10.0
7th fwd - flg		9.53	6.67	7.62	8.57		9.03			0.50	5.20	30	20.0	10.0
8th fwd - web		9.53	6.67	7.62	8.57		9.28			0.25	2.57	30	20.0	10.0
8th fwd - flg		9.53	6.67	7.62	8.57		9.31			0.22	2.26	30	20.0	10.0
9th fwd - web		9.53	6.67	7.62	8.57		9.09			0.44	4.57	30	20.0	10.0
9th fwd - flg		9.53	6.67	7.62	8.57		9.11			0.42	4.36	30	20.0	10.0
10th fwd - web		9.53	6.67	7.62	8.57		9.07			0.46	4.78	30	20.0	10.0
10th fwd - flg		9.53	6.67	7.62	8.57		9.05			0.48	4.99	30	20.0	10.0
11th fwd - web		9.53	6.67	7.62	8.57		9.23			0.30	3.10	30	20.0	10.0
11th fwd - flg		9.53	6.67	7.62	8.57		9.24			0.29	2.99	30	20.0	10.0
12th fwd - web		9.53	6.67	7.62	8.57		9.27			0.26	2.68	30	20.0	10.0
12th fwd - flg		9.53	6.67	7.62	8.57		9.21			0.32	3.31	30	20.0	10.0
13th fwd - web		9.53	6.67	7.62	8.57		9.25			0.28	2.89	30	20.0	10.0
13th fwd - flg		9.53	6.67	7.62	8.57		9.32			0.21	2.15	30	20.0	10.0
14th fwd - web		9.53	6.67	7.62	8.57		9.17			0.36	3.73	30	20.0	10.0
14th fwd - flg		9.53	6.67	7.62	8.57		9.21			0.32	3.31	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Center Deep Tank Stbd Fwd													
LOCATION OF STRUCTURE: Frame 146													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Transverse Bulkhead Plating													
Lower Strake													
Ob	9.53	7.14	7.94	8.73		9.50			0.03	0.26	25	16.7	8.3
Mid	9.53	7.14	7.94	8.73		9.51			0.02	0.16	25	16.7	8.3
Ib	9.53	7.14	7.94	8.73		9.52			0.01	0.05	25	16.7	8.3
Upper Strake													
Ob	7.94	5.96	6.62	7.28		7.96			-	-	25	16.7	8.3
Mid	7.94	5.96	6.62	7.28		7.89			0.05	0.63	25	16.7	8.3
Ib	7.94	5.96	6.62	7.28		7.84			0.10	1.26	25	16.7	8.3
Transverse Bulkhead Stiffeners													
ob - web	12.70	8.89	10.16	11.43		12.41			0.29	2.28	30	20.0	10.0
ob - flg	12.70	8.89	10.16	11.43		12.34			0.36	2.83	30	20.0	10.0
2nd ib - web	12.70	8.89	10.16	11.43		12.42			0.28	2.20	30	20.0	10.0
2nd ib - flg	12.70	8.89	10.16	11.43		12.43			0.27	2.13	30	20.0	10.0
3rd ib - web	12.70	8.89	10.16	11.43		12.40			0.30	2.36	30	20.0	10.0
3rd ib - flg	12.70	8.89	10.16	11.43		12.40			0.30	2.36	30	20.0	10.0
4th ib - web	12.70	8.89	10.16	11.43		12.27			0.43	3.39	30	20.0	10.0
4th ib - flg	12.70	8.89	10.16	11.43		12.21			0.49	3.86	30	20.0	10.0
5th ib - web	12.70	8.89	10.16	11.43		12.33			0.37	2.91	30	20.0	10.0
5th ib - flg	12.70	8.89	10.16	11.43		12.34			0.36	2.83	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Center Deep Tank Stbd Fwd													
LOCATION OF STRUCTURE: Frame 146 - 165													
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Centerline Bulkhead Plating													
Lower Strake													
Aft	9.53	7.14	7.94	8.73		9.48			0.04	0.47	25	16.7	8.3
1st fwd	9.53	7.14	7.94	8.73		9.53			-	-	25	16.7	8.3
2nd fwd	9.53	7.14	7.94	8.73		9.51			0.02	0.16	25	16.7	8.3
3rd fwd	9.53	7.14	7.94	8.73		9.56			-	-	25	16.7	8.3
4th fwd	9.53	7.14	7.94	8.73		9.54			-	-	25	16.7	8.3
Upper Strake													
Aft	7.94	5.96	6.62	7.28		7.79			0.15	1.89	25	16.7	8.3
1st fwd	7.94	5.96	6.62	7.28		7.82			0.12	1.51	25	16.7	8.3
2nd fwd	7.94	5.96	6.62	7.28		7.81			0.13	1.64	25	16.7	8.3
3rd fwd	7.94	5.96	6.62	7.28		7.81			0.13	1.64	25	16.7	8.3
4th fwd	7.94	5.96	6.62	7.28		7.80			0.14	1.76	25	16.7	8.3
Centerline Bulkhead Stiffeners													
aft - web	9.53	6.67	7.62	8.57		9.84			-	-	30	20.0	10.0
aft - flg	9.53	6.67	7.62	8.57		9.18			0.35	3.62	30	20.0	10.0
2nd fwd - web	9.53	6.67	7.62	8.57		9.83			-	-	30	20.0	10.0
2nd fwd - flg	9.53	6.67	7.62	8.57		9.15			0.38	3.94	30	20.0	10.0
3rd fwd - web	9.53	6.67	7.62	8.57		9.82			-	-	30	20.0	10.0
3rd fwd - flg	9.53	6.67	7.62	8.57		9.14			0.39	4.04	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Center Deep Tank Stbd Fwd														
LOCATION OF STRUCTURE: Frame 165														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
Lower Strake														
Ob		15.88	11.91	13.23	14.56		15.63			0.25	1.57	25	16.7	8.3
Mid		15.88	11.91	13.23	14.56		15.62			0.26	1.64	25	16.7	8.3
Mid		15.88	11.91	13.23	14.56		16.00			-	-	25	16.7	8.3
lb		15.88	11.91	13.23	14.56		16.01			-	-	25	16.7	8.3
Middle Strake														
Ob		15.88	11.91	13.23	14.56		16.17			-	-	25	16.7	8.3
Mid		7.94	5.96	6.62	7.28		7.87			0.07	0.88	25	16.7	8.3
Mid		7.94	5.96	6.62	7.28		7.96			-	-	25	16.7	8.3
lb		7.94	5.96	6.62	7.28		7.98			-	-	25	16.7	8.3
Lower Strake														
Ob		15.88	11.91	13.23	14.56		15.96			-	-	25	16.7	8.3
Mid		7.94	5.96	6.62	7.28		7.96			-	-	25	16.7	8.3
Mid		7.94	5.96	6.62	7.28		7.96			-	-	25	16.7	8.3
lb		7.94	5.96	6.62	7.28		7.84			0.10	1.26	25	16.7	8.3

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION:												Trim Tank Fwd				
LOCATION OF STRUCTURE:												Frame 176				
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
						P	S	mm	%	mm	%					
Transverse Bulkhead Plating																
Lower Strake																
Ob		15.88	11.91	13.23	14.56	16.27	15.82	-	-	0.06	0.38	25	16.7	8.3		
Mid		15.88	11.91	13.23	14.56	16.28	15.84	-	-	0.04	0.25	25	16.7	8.3		
lb		15.88	11.91	13.23	14.56	15.91	15.81	-	-	0.07	0.44	25	16.7	8.3		
Upper Strake																
Ob		15.88	11.91	13.23	14.56	15.90	15.87	-	-	0.01	0.06	25	16.7	8.3		
Mid		9.53	7.14	7.94	8.73	9.35	9.16	0.18	1.84	0.37	3.83	25	16.7	8.3		
Mid		9.53	7.14	7.94	8.73	9.36	9.21	0.17	1.73	0.32	3.31	25	16.7	8.3		
Mid		9.53	7.14	7.94	8.73	9.50	9.20	0.03	0.26	0.33	3.41	25	16.7	8.3		
lb		9.53	7.14	7.94	8.73	9.65	9.54	-	-	-	-	25	16.7	8.3		

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF WATERTIGHT / OIL TIGHT BULKHEADS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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TANK / HOLD DESCRIPTION: Trim Tank Fwd														
LOCATION OF STRUCTURE: Frame 183														
STRUCTURAL MEMBER		ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
						P	S	mm	%	mm	%			
Transverse Bulkhead Plating														
Ob		15.88	11.91	13.23	14.56	16.02	16.17	-	-	-	-	25	16.7	8.3
Mid		15.88	11.91	13.23	14.56	16.03	16.09	-	-	-	-	25	16.7	8.3
Ib		15.88	11.91	13.23	14.56	16.04	16.12	-	-	-	-	25	16.7	8.3
Transverse Bulkhead Stiffeners														
ob - web		7.94	5.56	6.35	7.15	7.58	7.81	0.36	4.53	0.13	1.64	30	20.0	10.0
ob - flg		7.94	5.56	6.35	7.15	7.36	7.76	0.58	7.30	0.18	2.27	30	20.0	10.0
2nd ib - web		7.94	5.56	6.35	7.15	7.36	7.52	0.58	7.30	0.42	5.29	30	20.0	10.0
2nd ib - flg		7.94	5.56	6.35	7.15	7.53	7.66	0.41	5.16	0.28	3.53	30	20.0	10.0
3rd ib - web		7.94	5.56	6.35	7.15	7.58	8.09	0.36	4.53	-	-	30	20.0	10.0
3rd ib - flg		7.94	5.56	6.35	7.15	8.08	7.68	-	-	0.26	3.27	30	20.0	10.0
4th ib - web		7.94	5.56	6.35	7.15	7.49	7.62	0.45	5.67	0.32	4.03	30	20.0	10.0
4th ib - flg		7.94	5.56	6.35	7.15	7.55	7.61	0.39	4.91	0.33	4.16	30	20.0	10.0

Operator's Signature:	Surveyor's Signature:
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Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

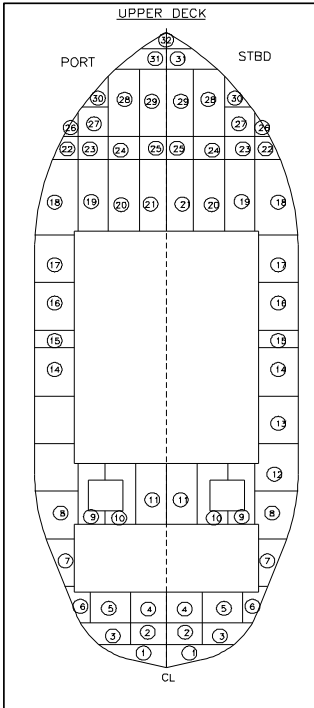
Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Keel Plate													SKETCH	
LOCATION OF STRUCTURE: Fuel oil deep tank														
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>KEEL PLATE PLAN VIEW</p> </div>
					P	S	mm	%	mm	%				
frame 19														
fwd	19.05	13.34	15.24	17.15		18.28			0.77	4.04	30	20.0	10.0	
ob	19.05	13.34	15.24	17.15		18.35			0.70	3.67	30	20.0	10.0	
ib	19.05	13.34	15.24	17.15		18.59			0.46	2.41	30	20.0	10.0	
aft	19.05	13.34	15.24	17.15		18.35			0.70	3.67	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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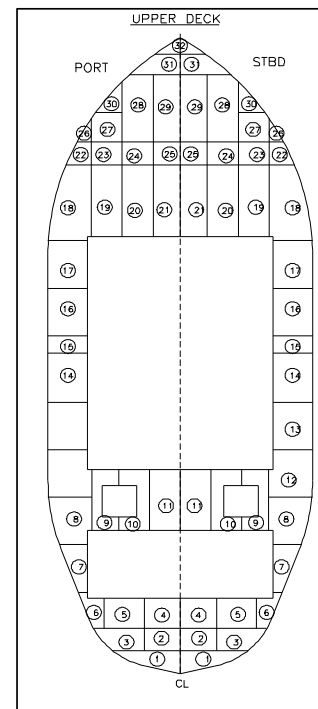
STRUCTURAL MEMBER: Exposed Deck Plating													SKETCH	
LOCATION OF STRUCTURE: Upper Deck														
DESCRIPTION	ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		MAX	MAX	MAX	
	THK. mm	Min. THK. mm	2SS mm	1SS mm	P	S	mm	%	mm	%	ALLOW DIM %	2SS DIM %	1SS DIM %	
Plate 1 - aft	7.93	5.55	6.34	7.14	7.90	8.26	0.03	0.38	-	-	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.95	8.78	-	-	-	-	30	20.0	10.0	
Plate 2 - aft	7.93	5.55	6.34	7.14	8.23	8.06	-	-	-	-	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.82	8.21	0.11	1.39	-	-	30	20.0	10.0	
Plate 3 - aft	12.70	8.89	10.16	11.43	13.04	13.31	-	-	-	-	30	20.0	10.0	
fwd	12.70	8.89	10.16	11.43	12.83	12.13	-	-	0.57	4.49	30	20.0	10.0	
Plate 4 - aft	7.93	5.55	6.34	7.14	8.23	8.27	-	-	-	-	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.92	8.34	0.01	0.13	-	-	30	20.0	10.0	
Plate 5 - aft	7.93	5.55	6.34	7.14	7.62	7.92	0.31	3.91	0.01	0.13	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.58	8.05	0.35	4.41	-	-	30	20.0	10.0	
Plate 6 - aft	7.93	5.55	6.34	7.14	7.73	8.30	0.20	2.52	-	-	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.75	8.35	0.18	2.27	-	-	30	20.0	10.0	
Plate 7 - aft	7.93	5.55	6.34	7.14	7.64	7.74	0.29	3.66	0.19	2.40	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.69	7.82	0.24	3.03	0.11	1.39	30	20.0	10.0	
Plate 8 - aft	7.93	5.55	6.34	7.14	7.63	7.87	0.30	3.78	0.06	0.76	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.83	7.79	0.10	1.26	0.14	1.77	30	20.0	10.0	
Plate 9 - aft	12.70	8.89	10.16	11.43	12.54	12.65	0.16	1.26	0.05	0.39	30	20.0	10.0	
fwd	12.70	8.89	10.16	11.43	12.46	12.62	0.24	1.89	0.08	0.63	30	20.0	10.0	
Plate 10 - aft	7.93	5.55	6.34	7.14	7.88	7.63	0.05	0.63	0.30	3.78	30	20.0	10.0	
fwd	7.93	5.55	6.34	7.14	7.94	7.85	-	-	0.08	1.01	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating											SKETCH		
LOCATION OF STRUCTURE: Upper Deck													
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Plate 11 - aft	7.93	5.55	6.34	7.14	7.88	8.31	0.05	0.63	-	-	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14	7.87	8.19	0.06	0.76	-	-	30	20.0	10.0
Plate 12 - aft	7.93	5.55	6.34	7.14		7.65			0.28	3.53	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14		7.63			0.30	3.78	30	20.0	10.0
Plate 13 - aft	7.93	5.55	6.34	7.14		7.99			-	-	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14		7.98			-	-	30	20.0	10.0
Plate 14 - aft	8.73	6.11	6.98	7.86	9.14	9.34	-	-	-	-	30	20.0	10.0
fwd	8.73	6.11	6.98	7.86	9.14	9.34	-	-	-	-	30	20.0	10.0
Plate 15 - aft	8.73	6.11	6.98	7.86	8.78	9.27	-	-	-	-	30	20.0	10.0
fwd	8.73	6.11	6.98	7.86	8.79	9.26	-	-	-	-	30	20.0	10.0
Plate 16 - aft	8.73	6.11	6.98	7.86	8.76	9.37	-	-	-	-	30	20.0	10.0
fwd	8.73	6.11	6.98	7.86	9.43	8.69	-	-	0.04	0.46	30	20.0	10.0
Plate 17 - aft	8.73	6.11	6.98	7.86	8.74	9.57	-	-	-	-	30	20.0	10.0
fwd	8.73	6.11	6.98	7.86	8.89	8.70	-	-	0.03	0.34	30	20.0	10.0
Plate 18 - aft	9.53	6.67	7.62	8.57	9.76	9.32	-	-	0.21	2.15	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.78	9.31	-	-	0.22	2.26	30	20.0	10.0
Plate 19 - aft	9.53	6.67	7.62	8.57	9.72	9.56	-	-	-	-	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.70	9.54	-	-	-	-	30	20.0	10.0
Plate 20 - aft	9.53	6.67	7.62	8.57	9.51	9.38	0.02	0.16	0.15	1.52	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.36	9.41	0.17	1.73	0.12	1.21	30	20.0	10.0

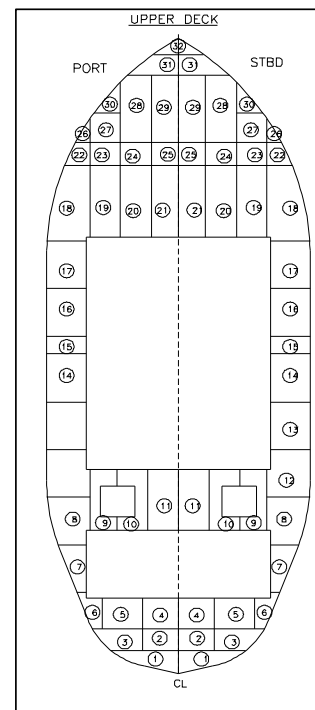


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating											SKETCH		
LOCATION OF STRUCTURE: Upper Deck													
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Plate 21 - aft	9.53	6.67	7.62	8.57	9.46	9.72	0.06	0.68	-	-	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.44	9.74	0.09	0.89	-	-	30	20.0	10.0
Plate 22 - aft	9.53	6.67	7.62	8.57	9.50	9.54	0.03	0.26	-	-	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.06	9.56	0.47	4.88	-	-	30	20.0	10.0
Plate 23 - aft	9.53	6.67	7.62	8.57	9.49	9.53	0.04	0.37	-	-	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.50	9.53	0.03	0.26	-	-	30	20.0	10.0
Plate 24 - aft	9.53	6.67	7.62	8.57	9.44	9.14	0.09	0.89	0.39	4.04	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.91	9.64	-	-	-	-	30	20.0	10.0
Plate 25 - aft	9.53	6.67	7.62	8.57	9.25	9.32	0.28	2.89	0.21	2.15	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.75	9.34	-	-	0.19	1.94	30	20.0	10.0
Plate 26 - aft	9.53	6.67	7.62	8.57	9.60	9.52	-	-	0.01	0.05	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.59	9.39	-	-	0.14	1.42	30	20.0	10.0
Plate 27 - aft	12.70	8.89	10.16	11.43	12.39	13.33	0.31	2.44	-	-	30	20.0	10.0
fwd	12.70	8.89	10.16	11.43	12.57	13.31	0.13	1.02	-	-	30	20.0	10.0
Plate 28 - aft	9.53	6.67	7.62	8.57	9.70	9.80	-	-	-	-	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.71	9.12	-	-	0.41	4.25	30	20.0	10.0
Plate 29 - aft	9.53	6.67	7.62	8.57	9.34	9.43	0.19	1.94	0.10	1.00	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.39	9.35	0.14	1.42	0.18	1.84	30	20.0	10.0
Plate 30 - aft	9.53	6.67	7.62	8.57	9.32	9.18	0.21	2.15	0.35	3.62	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.27	9.28	0.26	2.68	0.25	2.57	30	20.0	10.0



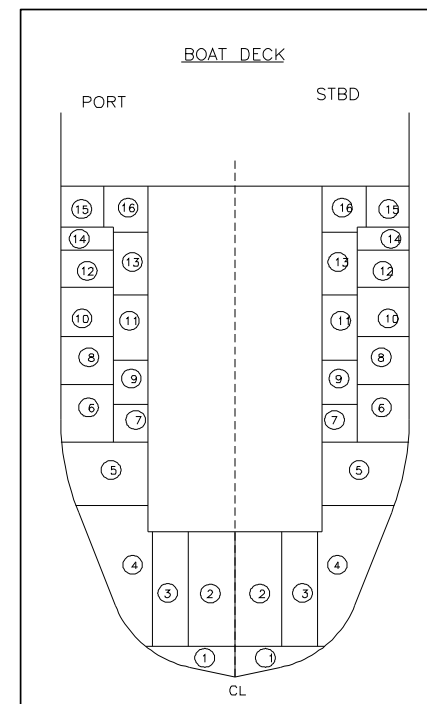
Operator's Signature:	Surveyor's Signature:
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[illegible]FORM TM6

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating											SKETCH		
LOCATION OF STRUCTURE: Boat Deck													
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Plate 1 - aft	7.93	5.55	6.34	7.14	6.32	6.12	1.61	20.30	1.81	22.82	30	20.0	10.0
Plate 2 - aft	7.93	5.55	6.34	7.14	7.80	7.97	0.13	1.64	-	-	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14	8.17	7.95	-	-	-	-	30	20.0	10.0
Plate 3 - aft	7.93	5.55	6.34	7.14	7.81	7.49	0.12	1.51	0.44	5.55	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14	7.72	8.27	0.21	2.65	-	-	30	20.0	10.0
Plate 4 - aft	7.93	5.55	6.34	7.14	7.71	7.93	0.22	2.77	-	-	30	20.0	10.0
fwd	7.93	5.55	6.34	7.14	7.98	7.84	-	-	0.09	1.13	30	20.0	10.0
Plate 5 - aft	6.35	4.45	5.08	5.72	6.10	6.22	0.25	3.94	0.13	2.05	30	20.0	10.0
fwd	6.35	4.45	5.08	5.72	6.30	6.15	0.05	0.79	0.20	3.15	30	20.0	10.0
Plate 6 - aft	9.53	6.67	7.62	8.57	8.89	9.27	0.64	6.67	0.26	2.68	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	8.90	9.42	0.63	6.56	0.11	1.10	30	20.0	10.0
Plate 7 - aft	6.35	4.45	5.08	5.72	6.82	6.64	-	-	-	-	30	20.0	10.0
fwd	6.35	4.45	5.08	5.72	6.25	6.20	0.10	1.57	0.15	2.36	30	20.0	10.0
Plate 8 - aft	6.35	4.45	5.08	5.72	6.49	6.26	-	-	0.09	1.42	30	20.0	10.0
fwd	6.35	4.45	5.08	5.72	6.12	6.75	0.23	3.62	-	-	30	20.0	10.0
Plate 9 - aft	6.35	4.45	5.08	5.72	6.50	6.22	-	-	0.13	2.05	30	20.0	10.0
fwd	6.35	4.45	5.08	5.72	6.10	6.15	0.25	3.94	0.20	3.15	30	20.0	10.0
Plate 10 - aft	9.53	6.67	7.62	8.57	10.01	9.42	-	-	0.11	1.10	30	20.0	10.0
fwd	9.53	6.67	7.62	8.57	9.48	9.41	0.04	0.47	0.12	1.21	30	20.0	10.0



Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating												SKETCH		
LOCATION OF STRUCTURE: Boat Deck														
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
					P	S	mm	%	mm	%				
Plate 11 - aft	6.35	4.45	5.08	5.72	6.10	6.03	0.25	3.94	0.32	5.04	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.30	6.57	0.05	0.79	-	-	30	20.0	10.0	
Plate 12 - aft	6.35	4.45	5.08	5.72	6.16	6.23	0.19	2.99	0.12	1.89	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.87	6.24	-	-	0.11	1.73	30	20.0	10.0	
Plate 13 - aft	6.35	4.45	5.08	5.72	6.22	6.40	0.13	2.05	-	-	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.44	6.31	-	-	0.04	0.63	30	20.0	10.0	
Plate 14 - aft	9.53	6.67	7.62	8.57	9.35	9.51	0.18	1.84	0.02	0.16	30	20.0	10.0	
fwd	9.53	6.67	7.62	8.57	9.57	9.54	-	-	-	-	30	20.0	10.0	
Plate 15 - aft	6.35	4.45	5.08	5.72	6.82	6.19	-	-	0.16	2.52	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.78	6.24	-	-	0.11	1.73	30	20.0	10.0	
Plate 16 - aft	6.35	4.45	5.08	5.72	6.25	6.34	0.10	1.57	0.01	0.16	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.29	6.39	0.06	0.94	-	-	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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STRUCTURAL MEMBER: Exposed Deck Plating														SKETCH	
LOCATION OF STRUCTURE: Officers Deck															
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %		
					P	S	mm	%	mm	%					
Plate 1 - aft	6.35	4.45	5.08	5.72	6.30	6.32	0.05	0.79	0.03	0.47	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.34	6.38	0.01	0.16	-	-	30	20.0	10.0		
Plate 2 - aft	6.35	4.45	5.08	5.72	6.32	6.28	0.03	0.47	0.07	1.10	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.28	6.37	0.07	1.10	-	-	30	20.0	10.0		
Plate 3 - aft	6.35	4.45	5.08	5.72	6.31	6.20	0.04	0.63	0.15	2.36	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.39	6.41	-	-	-	-	30	20.0	10.0		
Plate 4 - aft	6.35	4.45	5.08	5.72	6.19	6.38	0.16	2.52	-	-	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.28	6.21	0.07	1.10	0.14	2.20	30	20.0	10.0		
Plate 5 - aft	6.35	4.45	5.08	5.72	6.39	6.40	-	-	-	-	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.31	6.33	0.04	0.63	0.02	0.31	30	20.0	10.0		
Plate 6 - aft	6.35	4.45	5.08	5.72	6.45	6.38	-	-	-	-	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.41	6.25	-	-	0.10	1.57	30	20.0	10.0		
Plate 7 - aft	6.35	4.45	5.08	5.72	6.30	6.17	0.05	0.79	0.18	2.83	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.28	6.14	0.07	1.10	0.21	3.31	30	20.0	10.0		
Plate 8 - aft	6.35	4.45	5.08	5.72	6.38	6.40	-	-	-	-	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.30	6.34	0.05	0.79	0.01	0.16	30	20.0	10.0		
Plate 9 - aft	6.35	4.45	5.08	5.72	6.62	6.19	-	-	0.16	2.52	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.52	6.27	-	-	0.08	1.26	30	20.0	10.0		
Plate 10 - aft	6.35	4.45	5.08	5.72	6.05	6.43	0.30	4.72	-	-	30	20.0	10.0		
fwd	6.35	4.45	5.08	5.72	6.28	6.41	0.07	1.10	-	-	30	20.0	10.0		

OFFICERS DECK

PORT
STBD

The sketch shows a U-shaped deck layout. On the left (PORT) side, stations 10, 8, 7, 9, 6, 5, 4, 3, 2, and 1 are arranged vertically from top to bottom. On the right (STBD) side, stations 8, 10, 7, 9, 6, 5, 4, 3, 2, and 1 are arranged vertically from top to bottom. Station 1 is at the bottom center of the U-shape. Structural symbols include ladders (three horizontal lines) near stations 10, 8, 7, 9, 6, 5, 4, 3, 2, and 1, and bulkheads (two vertical lines) between stations 10/8 and 8/10, 7/9 and 9/7, 6/5 and 5/6, 4/3 and 3/4, 2/1 and 1/2.

FORM TM6

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating													SKETCH	
LOCATION OF STRUCTURE: Navigation Deck														
DESCRIPTION	ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		MAX	MAX	MAX	
	THK.	Min. THK.	2SS	1SS	P	S	P		S		ALLOW	2SS	1SS	
	mm	mm	mm	mm			mm	%	mm	%	DIM %	DIM %	DIM %	
Plate 1 - aft	6.35	4.45	5.08	5.72	6.21	6.38	0.14	2.20	-	-	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.22	6.34	0.13	2.05	0.01	0.16	30	20.0	10.0	
Plate 2 - aft	6.35	4.45	5.08	5.72	6.22	6.32	0.13	2.05	0.03	0.47	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.27	6.18	0.08	1.26	0.17	2.68	30	20.0	10.0	
Plate 3 - aft	6.35	4.45	5.08	5.72	6.29	6.24	0.06	0.94	0.11	1.73	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.38	6.23	-	-	0.12	1.89	30	20.0	10.0	
Plate 4 - aft	6.35	4.45	5.08	5.72	6.36	6.17	-	-	0.18	2.83	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.09	6.14	0.26	4.09	0.21	3.31	30	20.0	10.0	
Plate 5 - aft	6.35	4.45	5.08	5.72	6.30	6.29	0.05	0.79	0.06	0.94	30	20.0	10.0	
fwd	6.35	4.45	5.08	5.72	6.30	6.28	0.05	0.79	0.07	1.10	30	20.0	10.0	

Operator's Signature:	Surveyor's Signature:
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[illegible]

STRUCTURAL MEMBER: Bottom Shell Plating											SKETCH		
LOCATION OF STRUCTURE: No. 4 Inner Bottom Tank													
DESCRIPTION	ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		MAX	MAX	MAX
	THK. mm	Min. THK. mm	2SS mm	1SS mm	P	S	mm	%	mm	%	ALLOW DIM %	2SS DIM %	1SS DIM %
Frame 40													
4th ob Plate - ob	31.75	22.23	25.40	28.58	32.24	33.57	-	-	-	-	30	20.0	10.0
- ib	31.75	22.23	25.40	28.58	32.19	32.85	-	-	-	-	30	20.0	10.0
3rd ob Plate - ob	25.40	17.78	20.32	22.86	26.50	26.19	-	-	-	-	30	20.0	10.0
- ib	25.40	17.78	20.32	22.86	25.90	26.34	-	-	-	-	30	20.0	10.0
2nd ob Plate - ob	19.05	13.34	15.24	17.15	18.68	18.69	0.37	1.94	0.36	1.89	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	19.35	18.79	-	-	0.26	1.36	30	20.0	10.0
1st ob Plate - ob	19.05	13.34	15.24	17.15	18.71	18.75	0.34	1.78	0.30	1.57	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	18.79	18.97	0.26	1.36	0.08	0.42	30	20.0	10.0
Keel Plate - ob	19.05	13.34	15.24	17.15	19.34	19.08	-	-	-	-	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	19.07	19.03	-	-	0.02	0.10	30	20.0	10.0

The sketch shows a cross-section of the bottom shell plating. It consists of several horizontal layers separated by stiffeners or welds. From top to bottom, the layers are labeled: KEEL, 1st OB (Outer Bottom), 2nd OB, 3rd OB, and 4th OB. A dimension line indicates the overall height from the keel to the fourth outer bottom plate is denoted as BHD (Bottom Height Dimension).

STRUCTURAL MEMBER: Bottom Shell Plating												SKETCH	
LOCATION OF STRUCTURE: No. 3 Inner Bottom Tank													
DESCRIPTION	ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW	MAX 2SS	MAX 1SS
	mm	mm	mm	mm	P	S	mm	%	mm	%	DIM %	DIM %	DIM %
Frame 62													
4th ob Plate - ob	31.75	22.23	25.40	28.58	33.12	31.98	-	-	-	-	30	20.0	10.0
- ib	31.75	22.23	25.40	28.58	32.14	31.87	-	-	-	-	30	20.0	10.0
3rd ob Plate - ob	25.40	17.78	20.32	22.86	25.78	25.39	-	-	0.01	0.04	30	20.0	10.0
- ib	25.40	17.78	20.32	22.86	25.63	25.87	-	-	-	-	30	20.0	10.0
2nd ob Plate - ob	19.05	13.34	15.24	17.15	18.94	18.76	0.11	0.58	0.29	1.52	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	19.06	19.09	-	-	-	-	30	20.0	10.0
1st ob Plate - ob	19.05	13.34	15.24	17.15	19.19	19.21	-	-	-	-	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	18.82	19.01	0.23	1.21	0.04	0.21	30	20.0	10.0
Keel Plate - ob	19.05	13.34	15.24	17.15	19.08	18.86	-	-	0.19	1.00	30	20.0	10.0
- ib	19.05	13.34	15.24	17.15	19.24	18.69	-	-	0.36	1.89	30	20.0	10.0

The sketch illustrates the vertical arrangement of the bottom shell plating. It shows a series of overlapping plates (OB) attached to a central keel. The labels from top to bottom are: KEEL, 1st OB, 2nd OB, 3rd OB, and 4th OB. A vertical dimension line on the left indicates the overall depth, labeled BHD.

[illegible]

[illegible]

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Bottom Shell Plating													SKETCH	
LOCATION OF STRUCTURE: Sea Bay & Sea Chest														
DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
					P	S	mm	%	mm	%				
Fwd Sea Chest Fr. 123														
aft	41.15	28.81	32.92	37.04	43.51		-	-			30	20.0	10.0	
ib	41.15	28.81	32.92	37.04	42.61		-	-			30	20.0	10.0	
fwd	41.15	28.81	32.92	37.04	43.10		-	-			30	20.0	10.0	
ob	41.15	28.81	32.92	37.04	42.31		-	-			30	20.0	10.0	
Mid Sea Bay Fr. 93-97														
4th ob Plate - ob	41.15	28.81	32.92	37.04	42.04	43.09	-	-	-	-	30	20.0	10.0	
- ib	41.15	28.81	32.92	37.04	41.64	42.15	-	-	-	-	30	20.0	10.0	
3rd ob Plate - ob	41.15	28.81	32.92	37.04	43.15	41.19	-	-	-	-	30	20.0	10.0	
- ib	41.15	28.81	32.92	37.04	42.56	40.69	-	-	0.46	1.12	30	20.0	10.0	
2nd ob Plate - ob	19.05	13.34	15.24	17.15	19.34	19.67	-	-	-	-	30	20.0	10.0	
- ib	19.05	13.34	15.24	17.15	19.08	18.76	-	-	0.29	1.52	30	20.0	10.0	
1st ob Plate - ob	19.05	13.34	15.24	17.15	18.87	18.99	0.18	0.94	0.06	0.31	30	20.0	10.0	
- ib	19.05	13.34	15.24	17.15	18.69	18.69	0.36	1.89	0.36	1.89	30	20.0	10.0	
Keel Plate - ob	19.05	13.34	15.24	17.15	18.40	18.76	0.65	3.43	0.29	1.52	30	20.0	10.0	
- ib	19.05	13.34	15.24	17.15	19.38	19.25	-	-	-	-	30	20.0	10.0	

SEA BAY/CHEST

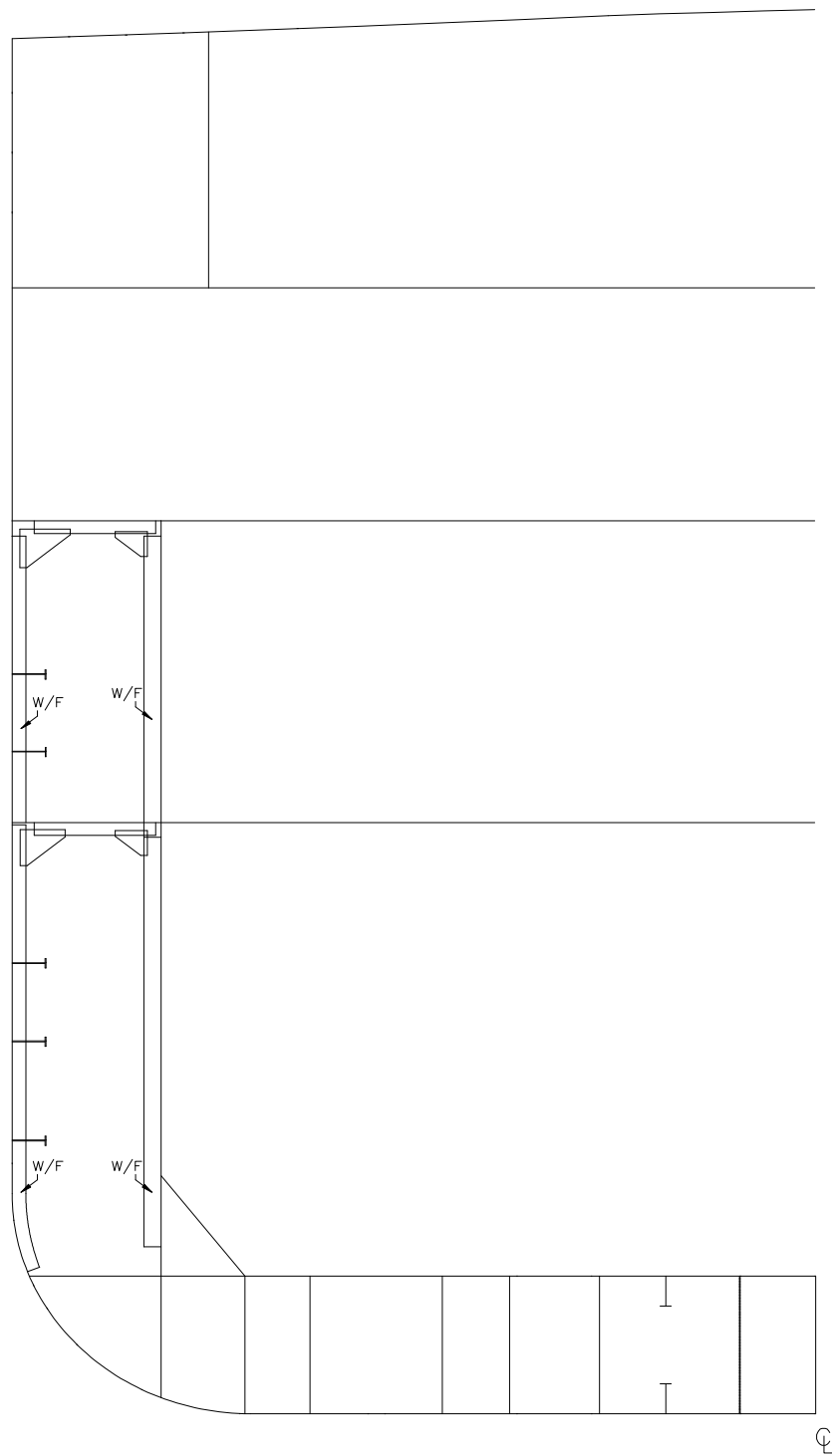
OB

IB

Operator's Signature:	Surveyor's Signature:
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[illegible]FORM TM6

M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

BALLAST TANK NO. - FRAME																																					
	UPPER PART																		MID PART						LOWER PART												
FRAME NUMBER	ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		ORG.	Class	Class	Class	GAUGED		DIMINUTION		DIMINUTION		MAX	MAX	MAX				
	THK.	Min. THK.	2SS	1SS	P	S	mm	%	mm	%	THK.	Min. THK.	2SS	1SS	P	S	mm	%	mm	%	THK.	Min. THK.	2SS	1SS	P	S	mm	%	mm	%	ALLOW	2SS	1SS				
	mm	mm	mm	mm							mm	mm	mm	mm							mm	mm	mm	mm							mm	mm	mm	mm	mm	mm	mm
shell frames																																					
frame 64 - web	15.88	11.91	13.23	14.56	15.72	15.36	0.16	1.01	0.52	3.27											15.88	11.91	13.23	14.56	15.65	15.41	0.23	1.45	0.47	2.96	25	16.7	8.3				
- flg	15.88	11.91	13.23	14.56	15.72	15.58	0.16	1.01	0.30	1.89											15.88	11.91	13.23	14.56	15.86	15.59	0.02	0.13	0.29	1.83	25	16.7	8.3				
frame 90 - web	15.88	11.91	13.23	14.56	15.48	15.44	0.40	2.52	0.44	2.77											15.88	11.91	13.23	14.56	15.54	15.53	0.34	2.14	0.35	2.20	25	16.7	8.3				
- flg	15.88	11.91	13.23	14.56	15.49	15.44	0.39	2.46	0.44	2.77											15.88	11.91	13.23	14.56	15.55	15.44	0.33	2.08	0.44	2.77	25	16.7	8.3				
frame 119 - web	15.88	11.91	13.23	14.56	15.48	15.55	0.40	2.52	0.33	2.08											15.88	11.91	13.23	14.56	16.02	15.56	-	-	0.32	2.02	25	16.7	8.3				
- flg	15.88	11.91	13.23	14.56	15.78	15.52	0.10	0.63	0.36	2.27											15.88	11.91	13.23	14.56	15.67	15.59	0.21	1.32	0.29	1.83	25	16.7	8.3				
long'fl bhd frames																																					
frame 64 - web	9.53	7.15	7.94	8.74	9.15	9.21	0.38	3.99	0.32	3.36											9.53	7.15	7.94	8.74	9.26	9.19	0.27	2.83	0.34	3.57	25	16.7	8.3				
- flg	9.53	7.15	7.94	8.74	9.19	9.20	0.34	3.57	0.33	3.46											9.53	7.15	7.94	8.74	9.20	9.15	0.33	3.46	0.38	3.99	25	16.7	8.3				
frame 90 - web	9.53	7.15	7.94	8.74	9.17	9.20	0.36	3.78	0.33	3.46											9.53	7.15	7.94	8.74	9.14	9.13	0.39	4.09	0.40	4.20	25	16.7	8.3				
- flg	9.53	7.15	7.94	8.74	9.25	9.29	0.28	2.94	0.24	2.52											9.53	7.15	7.94	8.74	9.25	9.23	0.28	2.94	0.30	3.15	25	16.7	8.3				
frame 119 - web	9.53	7.15	7.94	8.74	9.29	9.27	0.24	2.52	0.26	2.73											9.53	7.15	7.94	8.74	9.22	9.23	0.31	3.25	0.30	3.15	25	16.7	8.3				
- flg	9.53	7.15	7.94	8.74	9.28	9.23	0.25	2.62	0.30	3.15											9.53	7.15	7.94	8.74	9.18	9.21	0.35	3.67	0.32	3.36	25	16.7	8.3				

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT - TOPSIDE AND BOTTOM AREA ASSESSMENTS

Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

FIRST TRANSVERSE SECTION AT FRAME 65											
TOPSIDE AREAS					BOTTOM AREAS						
PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Stringer Plate Thickness	8.73	8.73	8.97	8.74	% Diminution	Keel Plate Thickness	19.05	19.05	18.23	18.31	% Diminution
Total Deck Plate Thickness					Port:	Total Bottom Shell Thickness	82.55	82.55	80.13	82.26	Port:
Sheerstrake Thickness	12.70	12.70	13.01	12.74	-	Total Bilge Thickness	31.75	31.75	32.36	32.45	1.97
					% Diminution						% Diminution
					Starboard:						Starboard:
					-						0.25
					Mean:						Mean:
TOTAL	21.43	21.43	21.98	21.48	-	TOTAL	133.35	133.35	130.72	133.02	1.11
LONGITUDINAL MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Total Deck Longitudinal Thickness					% Diminution	Total Bottom Longitudinal Thickness					% Diminution
Total Deck Girder Thickness					Port:	Total Bottom Girder Thickness	85.75	85.75	89.32	87.19	Port:
Longitudinal Bhd Tck (Upper Strake)	7.94	7.94	7.98	7.90	-	Longitudinal Bhd Tck (Lower Strake)	7.94	7.94	7.89	8.04	-
Total Sheerstrake Longitudinal Tck					% Diminution	Total Bilge Longitudinal Tck					% Diminution
					Starboard:						Starboard:
					0.50						-
					Mean:						Mean:
TOTAL	7.94	7.94	7.98	7.90	0.00	TOTAL	93.69	93.69	97.20	95.23	-

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT - TOPSIDE AND BOTTOM AREA ASSESSMENTS

Ships Name:	IMO Number:	Report Number:
Amundsen	7510846	MTL-1200703

SECOND TRANSVERSE SECTION AT FRAME 91											
TOPSIDE AREAS					BOTTOM AREAS						
PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Stringer Plate Thickness	8.73	8.73	8.94	8.69	% Diminution	Keel Plate Thickness	19.05	19.05	18.31	18.54	% Diminution
Total Deck Plate Thickness					Port:	Total Bottom Shell Thickness	120.40	120.40	117.41	116.75	Port:
Sheerstrake Thickness	12.70	12.70	12.69	12.97	-	Total Bilge Thickness	41.15	41.15	41.65	39.90	1.79
					% Diminution						% Diminution
					Starboard:						Starboard:
					-						3.00
					Mean:						Mean:
TOTAL	21.43	21.43	21.63	21.66	-	TOTAL	180.60	180.60	177.37	175.19	2.39
LONGITUDINAL MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Total Deck Longitudinal Thickness					% Diminution	Total Bottom Longitudinal Thickness					% Diminution
Total Deck Girder Thickness					Port:	Total Bottom Girder Thickness	85.75	85.75	88.37	87.88	Port:
Longitudinal Bhd Tck (Upper Strake)	7.94	7.94	7.91	7.91	0.44	Longitudinal Bhd Tck (Lower Strake)	12.70	12.70	12.94	12.90	-
Total Sheerstrake Longitudinal Tck					% Diminution	Total Bilge Longitudinal Tck					% Diminution
					Starboard:						Starboard:
					0.44						-
					Mean:						Mean:
TOTAL	7.94	7.94	7.91	7.91	0.44	TOTAL	98.45	98.45	101.31	100.78	-

Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT - TOPSIDE AND BOTTOM AREA ASSESSMENTS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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THIRD TRANSVERSE SECTION AT FRAME 120											
TOPSIDE AREAS					BOTTOM AREAS						
PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Stringer Plate Thickness	8.73	8.73	8.91	9.03	% Diminution	Keel Plate Thickness	25.40	25.40	24.22	25.48	% Diminution
Total Deck Plate Thickness					Port:	Total Bottom Shell Thickness	101.60	101.60	98.66	98.69	Port:
Sheerstrake Thickness	12.70	12.70	12.68	12.94	-	Total Bilge Thickness	31.75	31.75	30.66	31.51	3.29
					% Diminution						% Diminution
					Starboard:						Starboard:
					-						1.94
					Mean:						Mean:
TOTAL	21.43	21.43	21.59	21.97	-	TOTAL	158.75	158.75	153.54	155.68	2.61
LONGITUDINAL MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT	PLATING MEMBERS	ORIGINAL THICKNESS		MEASURED THICKNESS		ASSESSMENT
	P	S	P	S			P	S	P	S	
Total Deck Longitudinal Thickness					% Diminution	Total Bottom Longitudinal Thickness					% Diminution
Total Deck Girder Thickness					Port:	Total Bottom Girder Thickness	85.75	85.75	87.82	88.76	Port:
Longitudinal Bhd Tck (Upper Strake)	7.94	7.94	7.85	7.79	1.13	Longitudinal Bhd Tck (Lower Strake)	7.94	7.94	7.84	8.14	-
Total Sheerstrake Longitudinal Tck					% Diminution	Total Bilge Longitudinal Tck					% Diminution
					Starboard:						Starboard:
					1.89						-
					Mean:						Mean:
TOTAL	7.94	7.94	7.85	7.79	1.51	TOTAL	93.69	93.69	95.66	96.90	-

Operator's Signature:	Surveyor's Signature:
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