

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: DIVERSIFIED NAVAL ARCHITECTS INC.	Classification Society Official Stamp:	Classification Society Official Stamp:

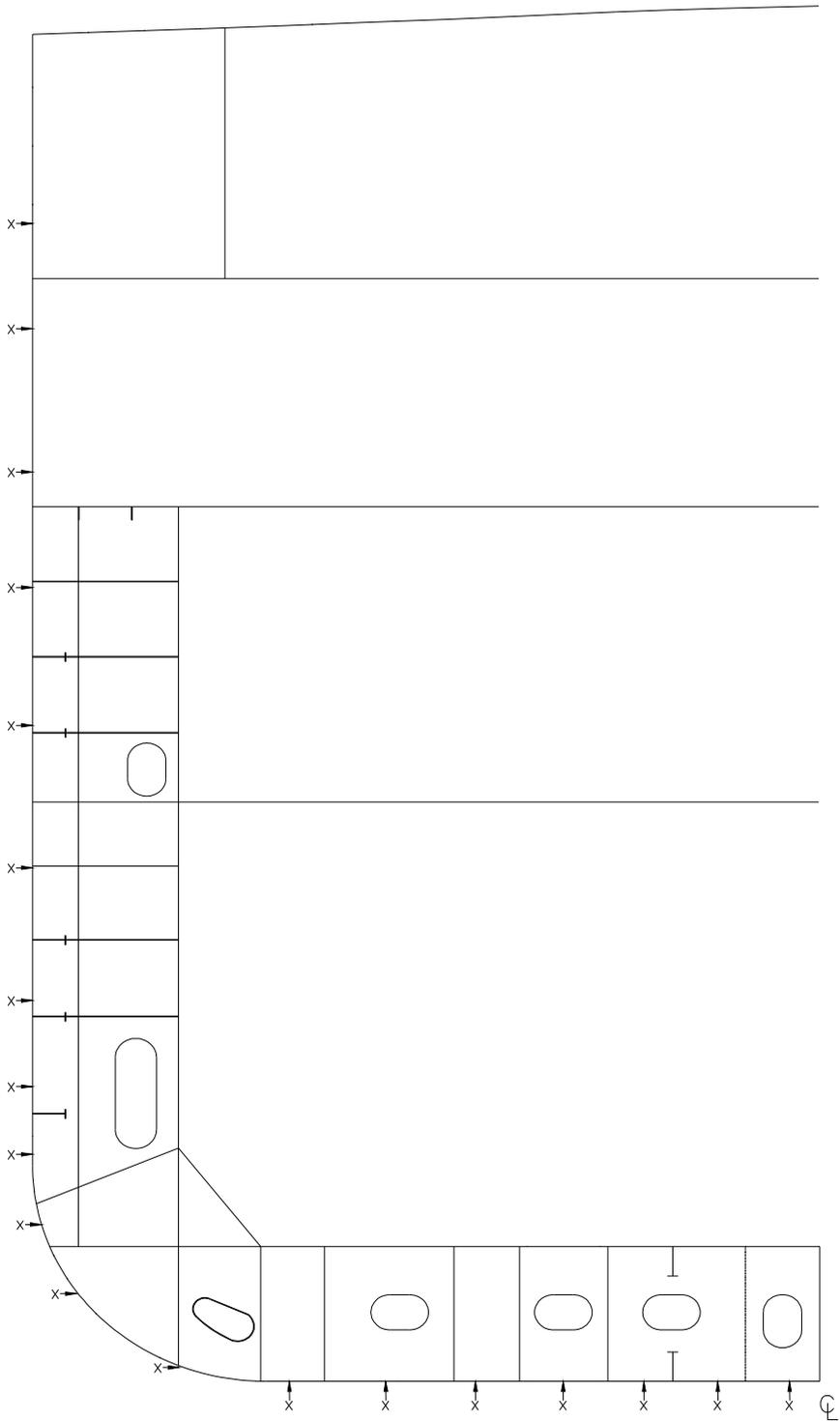
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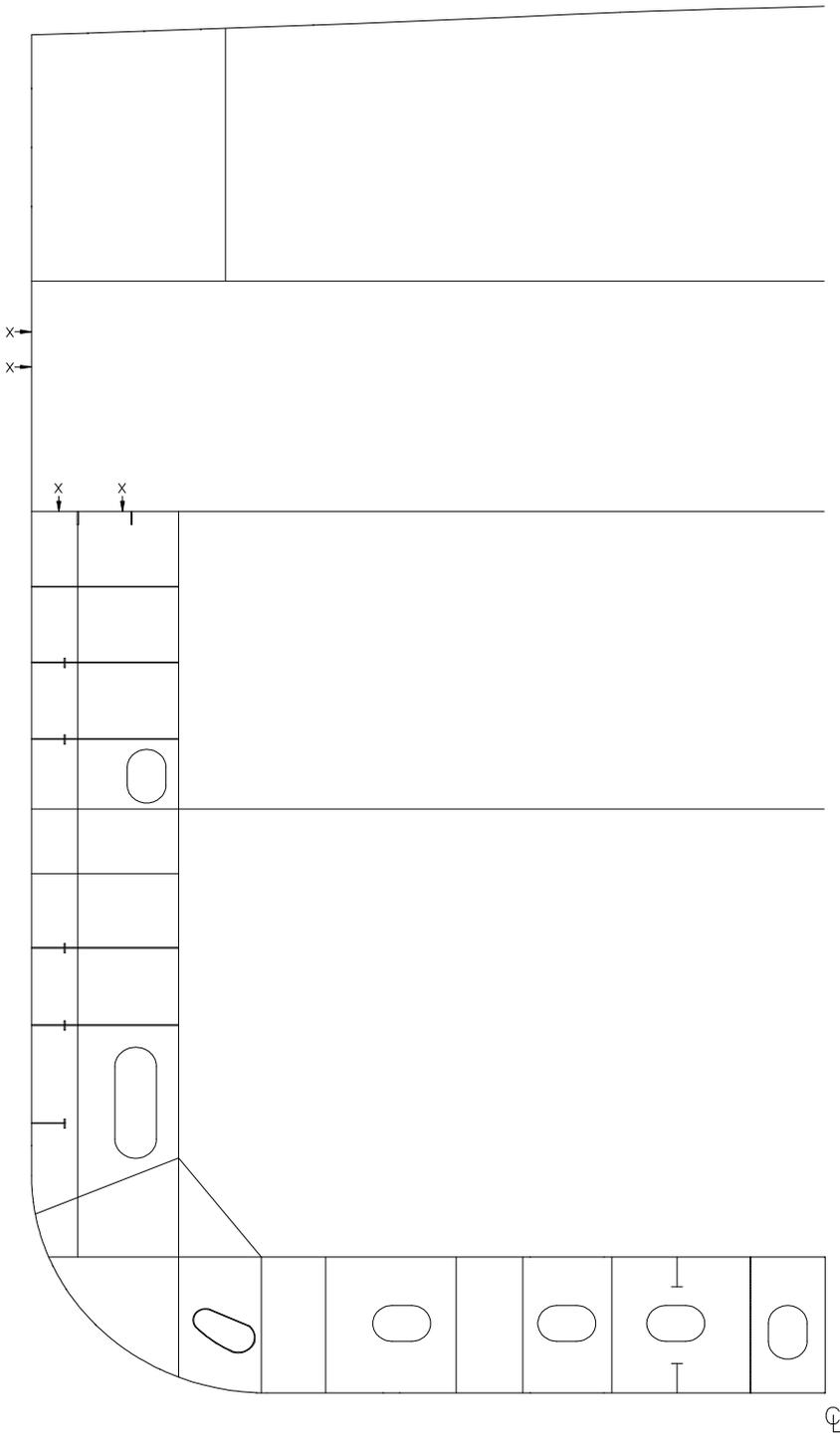
List of Substantial and Excessive Corrosion Measurements

Page	TM	Element	Number of Measurements	Substantial or Renewal

M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



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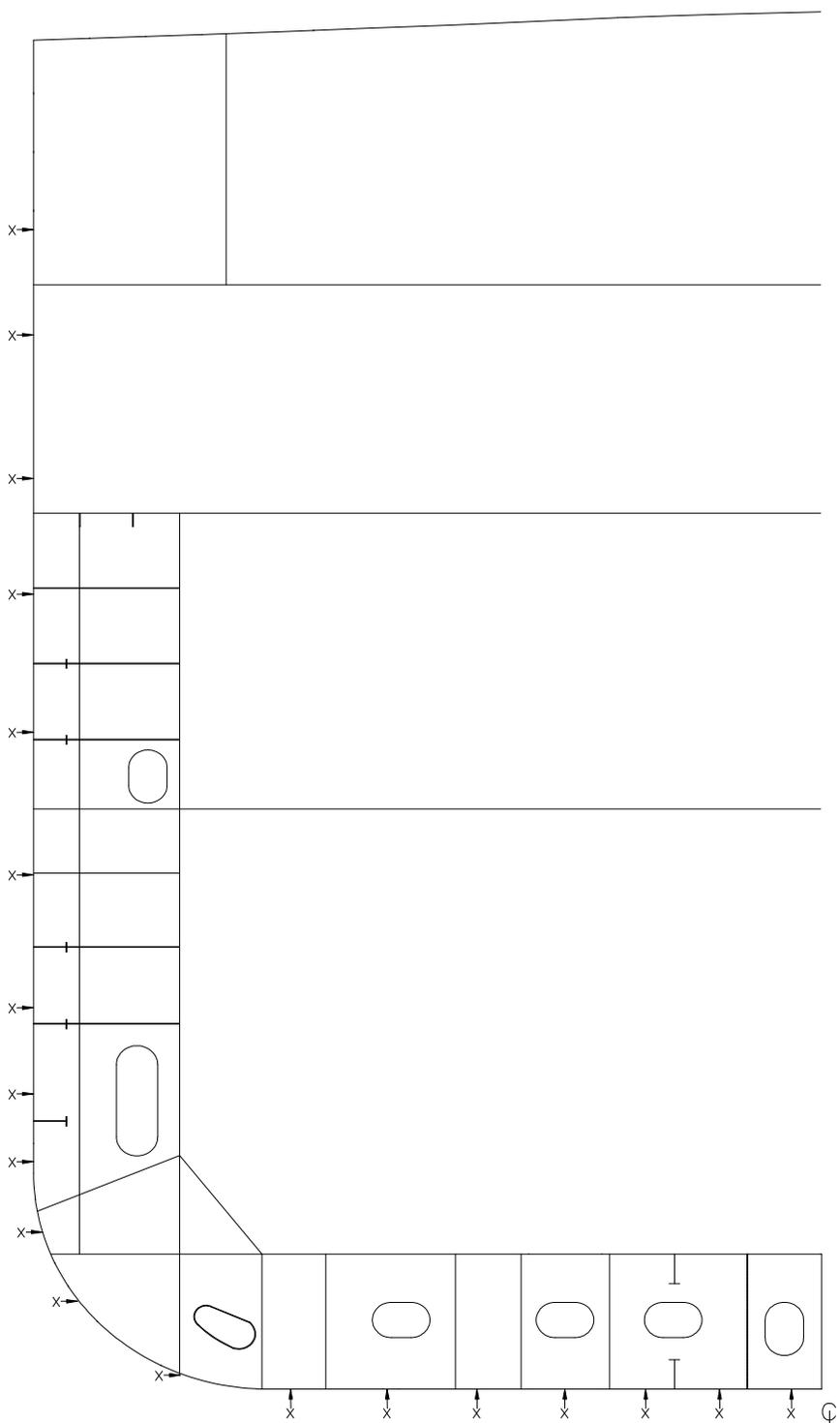
**REPORT ON THICKNESS MEASUREMENT OF SHELL AND DECK PLATING
(ONE, TWO OR THREE TRANSVERSE SECTIONS)**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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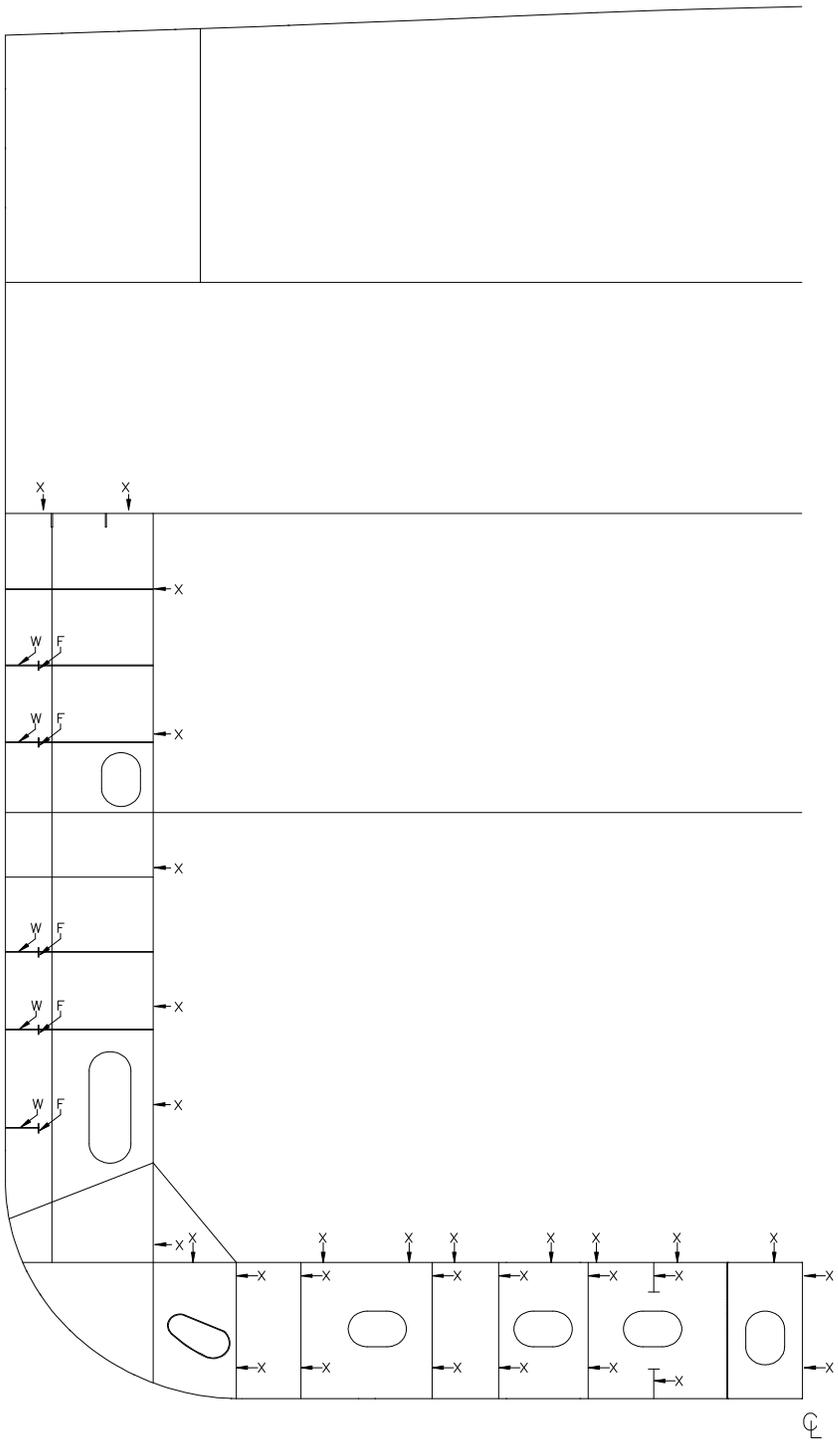
		STRENGTH DECK AND SHEERSTRAKE PLATING																																			
		FIRST TRANSVERSE SECTION AT FRAME 65											SECOND TRANSVERSE SECTION AT FRAME 91											THIRD TRANSVERSE SECTION AT FRAME 120													
STRAKE POSITION	NO. OR LETTER	ORG.	Class		Class	GAUGED		DIMINUTION		DIMINUTION		NO. OR LETTER	ORG.	Class		Class	GAUGED		DIMINUTION		DIMINUTION		NO. OR LETTER	ORG.	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	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
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 lb																																					
2nd																																					
3rd																																					
4th																																					
5th																																					
6th																																					
7th																																					
8th																																					
9th																																					
10th																																					
11th																																					
12th																																					
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



M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



**REPORT ON THICKNESS MEASUREMENT OF LONGITUDINAL MEMBERS
(ONE, TWO OR THREE TRANSVERSE SECTIONS) ALSO ASSOCIATED
LONGITUDINALS IN WAY OF TRANSVERSE STRUCTURE IN CARGO AND BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER	ITEM No.	FIRST TRANSVERSE SECTION AT FRAME 120										SECOND TRANSVERSE SECTION AT FRAME 91										THIRD TRANSVERSE SECTION AT FRAME 65										MAX ALLOW	MAX 2SS	MAX 1SS																													
		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S																																	
		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
		lwr	12.70	8.89	10.16	11.43	13.00	12.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
	1st off cl	upr	15.88	11.12	12.70	14.29	16.61	16.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
		lwr	15.88	11.12	12.70	14.29	15.63	16.51	0.25	1.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
	2nd off cl	upr	15.88	11.12	12.70	14.29	15.99	16.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
		lwr	15.88	11.12	12.70	14.29	16.07	16.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
		lwr	15.88	11.12	12.70	14.29	15.85	16.06	0.03	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
		lwr	15.88	11.12	12.70	14.29	15.81	16.10	0.07	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																									
	5th off cl	upr	9.53	6.67	7.62	8.58	12.67	9.63	-	-	-	-	-	-	-	-	-	0.06	0.63	0.09	0.94	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																										
		lwr	9.53	6.67	7.62	8.58	12.31	9.63	-	-	-	-	-	-	-	-	-	0.05	0.52	0.02	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	30	20.0	10.0																										

Operator's Signature:	Surveyor's Signature:
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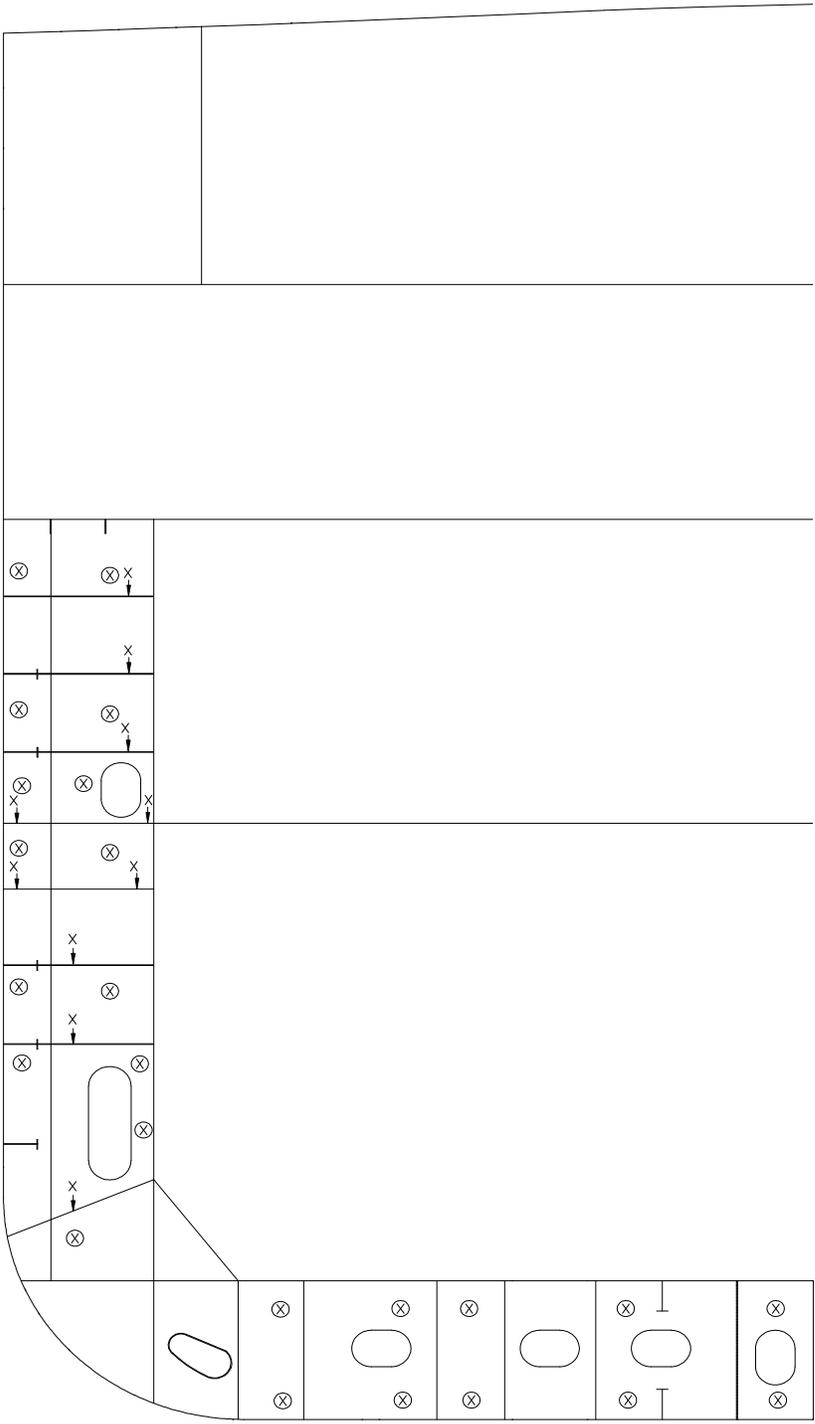
**REPORT ON THICKNESS MEASUREMENT OF LONGITUDINAL MEMBERS
(ONE, TWO OR THREE TRANSVERSE SECTIONS) ALSO ASSOCIATED
LONGITUDINALS IN WAY OF TRANSVERSE STRUCTURE IN CARGO AND BALLAST TANKS**

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER	ITEM No.	FIRST TRANSVERSE SECTION AT FRAME 120										SECOND TRANSVERSE SECTION AT FRAME 91										THIRD TRANSVERSE SECTION AT FRAME 65										MAX ALLOW	MAX 2SS	MAX 1SS		
		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S		ORG. THK.	Class Min. THK.	Class 2SS	Class 1SS	GAUGED		DIMINUTION P		DIMINUTION S						
		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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M.V. AMUNDSEN – TYPICAL MIDSHIP SECTION



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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	%			
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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**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 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	%			
tranverse floor														
1st bay off cl		12.70	9.53	10.58	11.64	12.97	12.97	-	-	-	-	25	16.7	8.3
2nd bay off cl		10.32	7.74	8.60	9.46	10.37	10.35	-	-	-	-	25	16.7	8.3
3rd bay off cl	ob	10.32	7.74	8.60	9.46	10.55	10.43	-	-	-	-	25	16.7	8.3
	ib	10.32	7.74	8.60	9.46	10.35	10.35	-	-	-	-	25	16.7	8.3
4th bay off cl		10.32	7.74	8.60	9.46	10.36	10.37	-	-	-	-	25	16.7	8.3
5th bay off cl		10.32	7.74	8.60	9.46	10.40	10.45	-	-	-	-	25	16.7	8.3
6th bay off cl		12.70	9.53	10.58	11.64		12.59			0.11	0.87	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:		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		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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**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:		Aftpeak												
LOCATION OF STRUCTURE:		Frame A												
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:		Aftpeak												
LOCATION OF STRUCTURE:		Frame B												
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	3.40	0.05	0.63	30	20.0	10.0
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:		Aftpeak												
LOCATION OF STRUCTURE:		Frame C												
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:		Aftpeak												
LOCATION OF STRUCTURE:		Frame D												
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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**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 G												
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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**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 K												
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:		Aftpeak												
LOCATION OF STRUCTURE:		Frame L												
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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**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 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 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:		Forepeak												
LOCATION OF STRUCTURE:		Frame 194												
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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**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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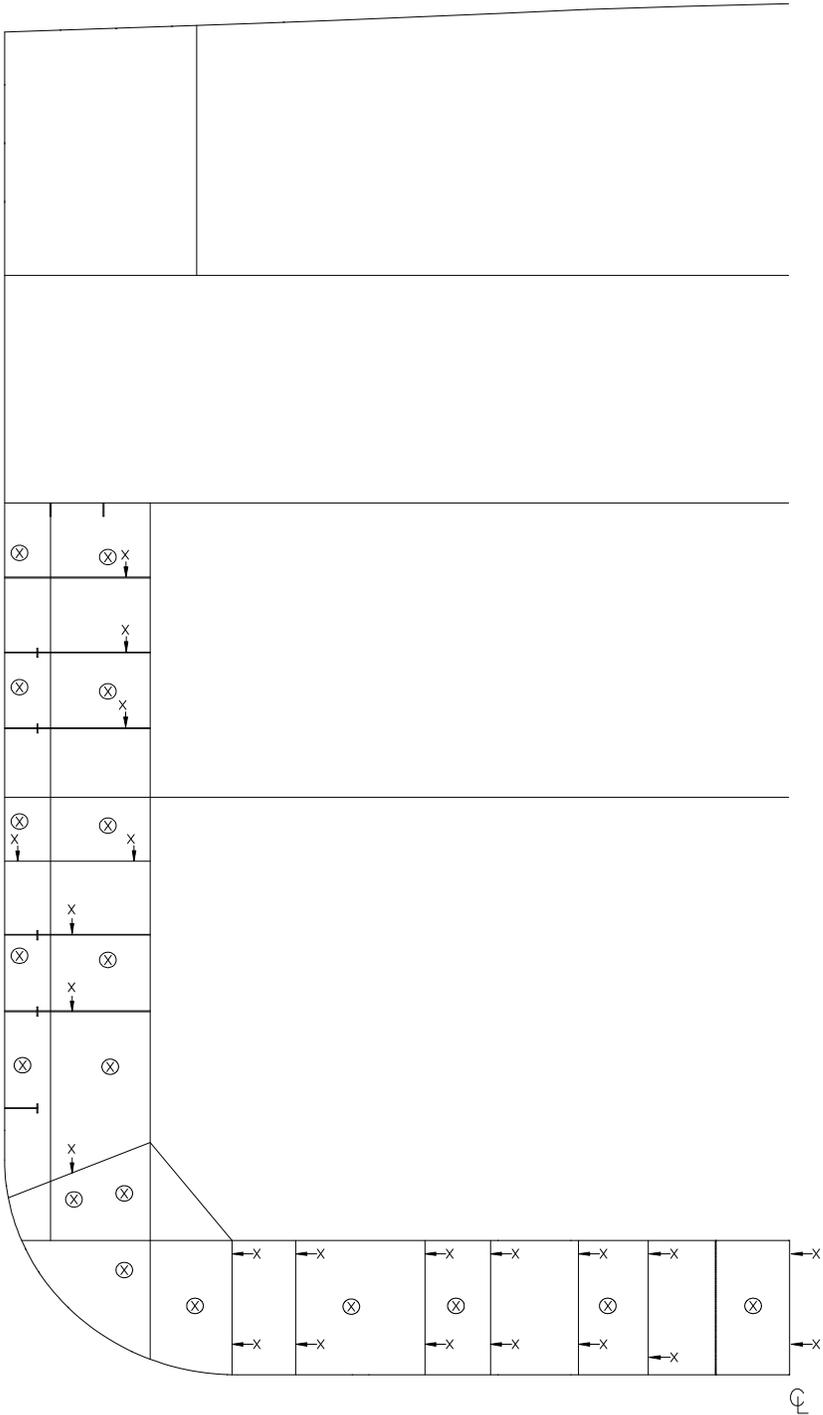
**REPORT ON THICKNESS MEASUREMENT OF TRANSVERSE STRUCTURAL MEMBERS
IN THE CARGO OIL AND WATER BALLAST TANKS**

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:

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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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 siffener - web	9.00	6.30	7.20	8.10	9.27	9.21	-	-	-	-	30	20.0	10.0
vertical siffener - flg	9.00	6.30	7.20	8.10	9.20	9.23	-	-	-	-	30	20.0	10.0
vertical siffener - top bracket	12.70	8.89	10.16	11.43	12.71	12.68	-	-	0.02	0.16	30	20.0	10.0
vertical siffener - 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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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:

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

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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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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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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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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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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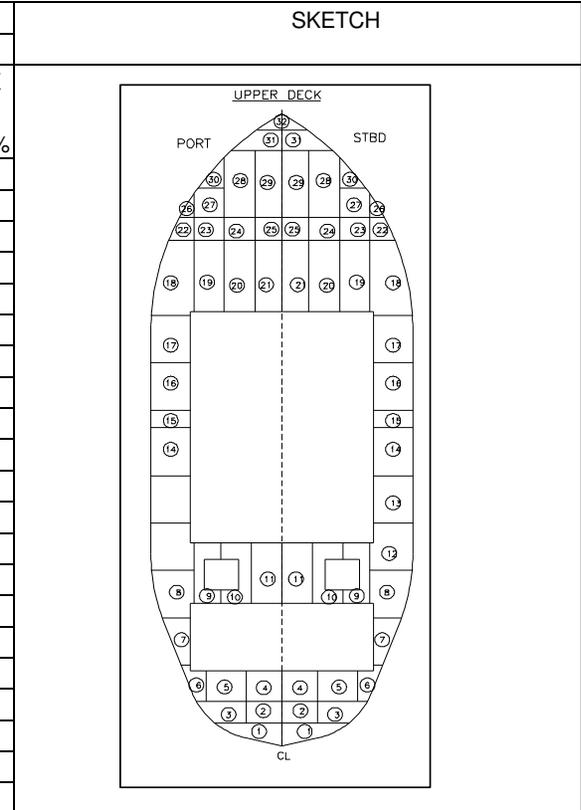
TANK / HOLD DESCRIPTION:		Trim Tank Fwd												
LOCATION OF STRUCTURE:		Frame 183												
STRUCTURAL MEMBER	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %	
					P	S	mm	%	mm	%				
Transverse Bulkhead Plating														
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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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

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

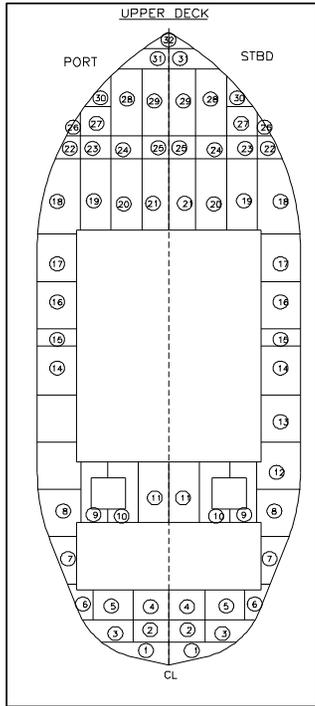


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

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	

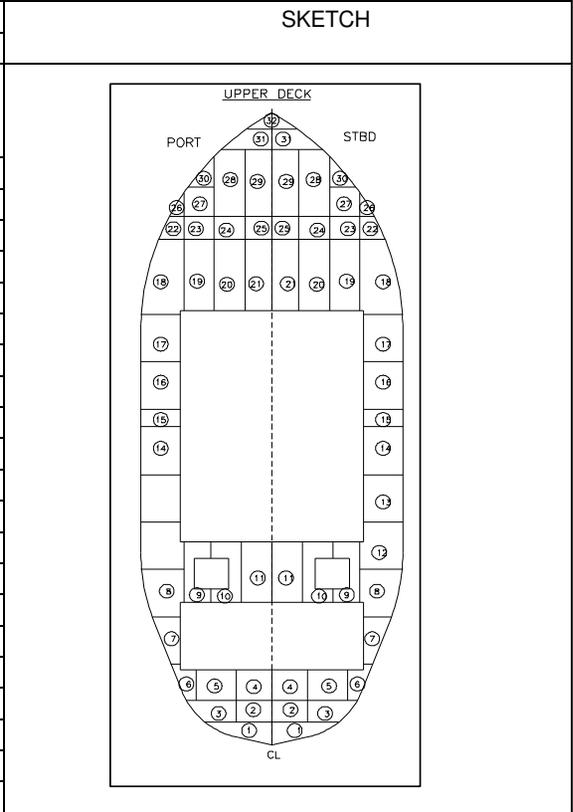


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

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

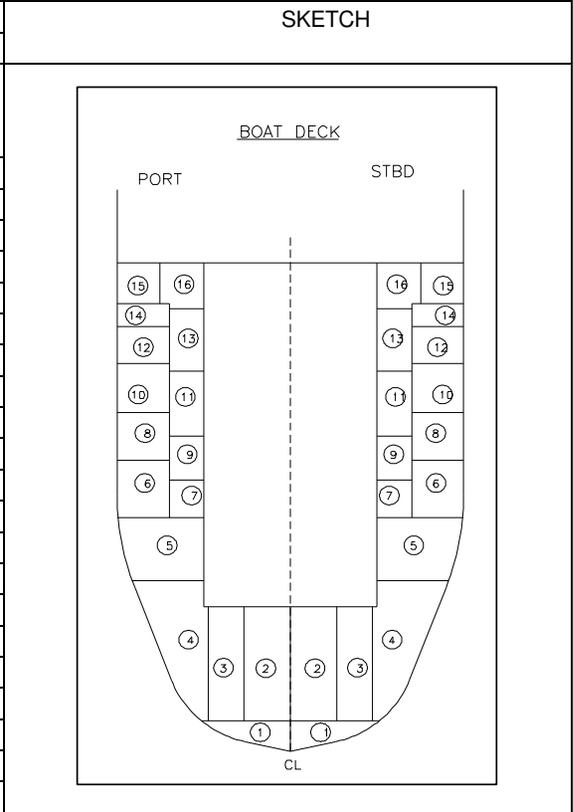


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating													
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

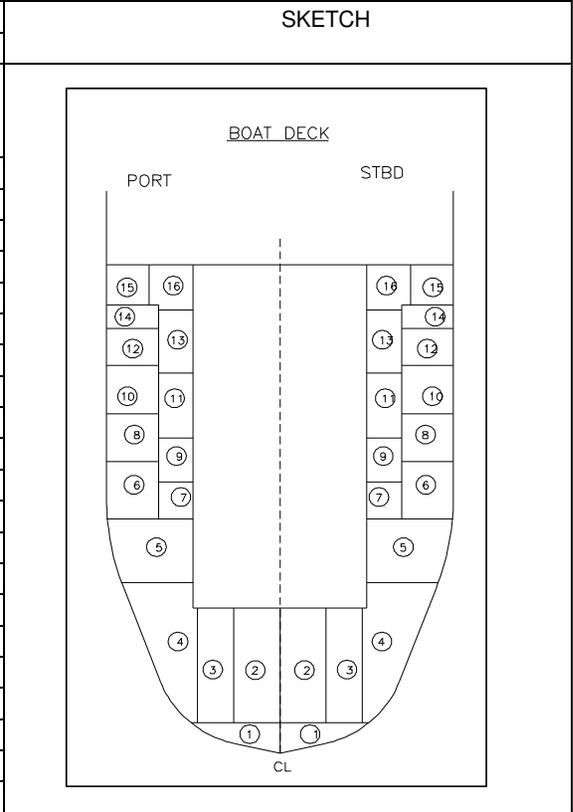


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

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

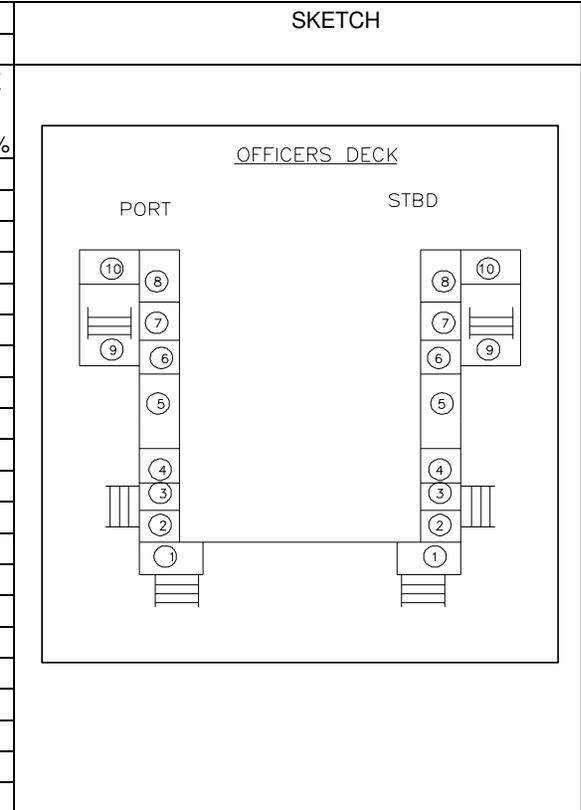


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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STRUCTURAL MEMBER: Exposed Deck Plating													
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

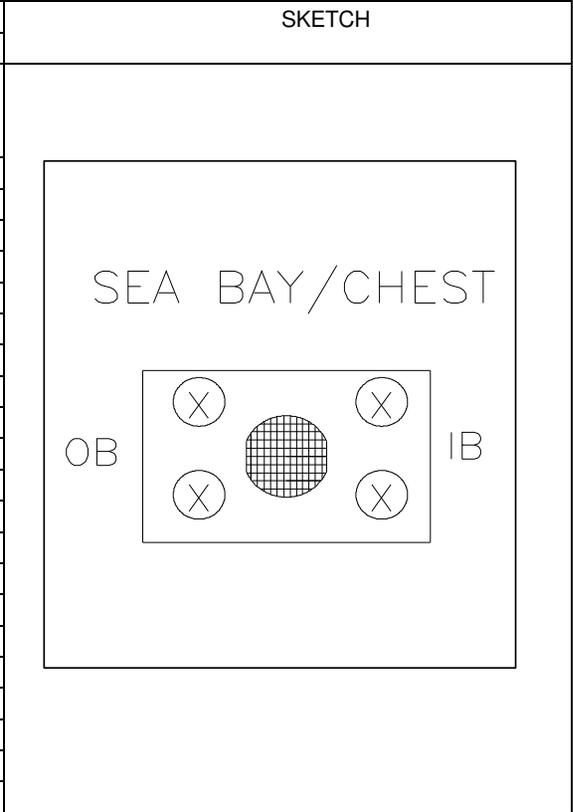


Operator's Signature:	Surveyor's Signature:
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REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURES

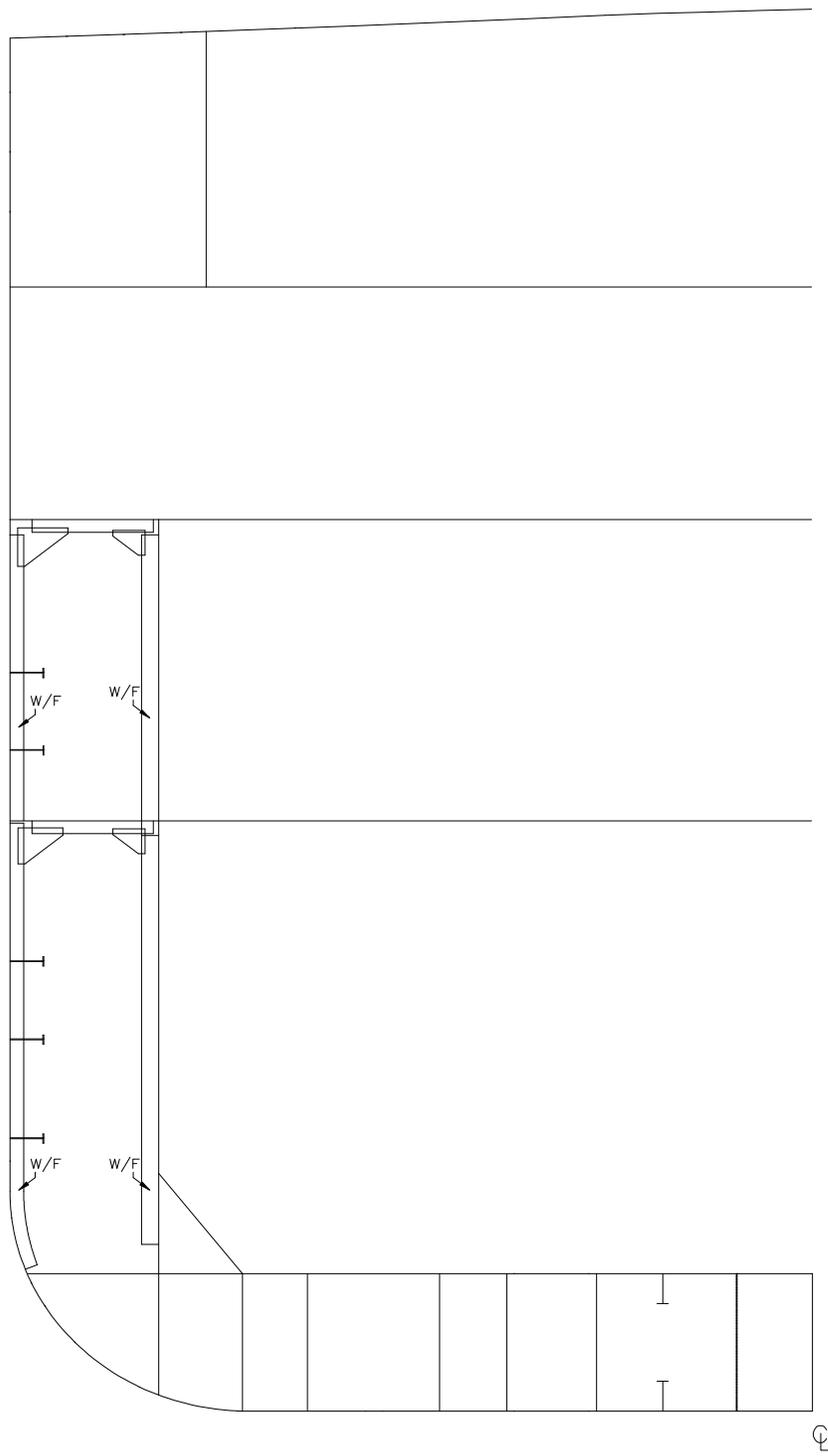
Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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DESCRIPTION	ORG. THK. mm	Class Min. THK. mm	Class 2SS mm	Class 1SS mm	GAUGED		DIMINUTION P		DIMINUTION S		MAX ALLOW DIM %	MAX 2SS DIM %	MAX 1SS DIM %
					P	S	mm	%	mm	%			
Fwd Sea 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



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



REPORT ON THICKNESS MEASUREMENT - TOPSIDE AND BOTTOM AREA ASSESSMENTS

Ships Name: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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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 Port: - % Diminution Starboard: - Mean: -	Keel Plate Thickness	19.05	19.05	18.23	18.31	% Diminution Port: - % Diminution Starboard: - Mean: -
Total Deck Plate Thickness						Total Bottom Shell Thickness	82.55	82.55	80.13	82.26	
Sheerstrake Thickness	12.70	12.70	13.01	12.74		Total Bilge Thickness	31.75	31.75	32.36	32.45	
TOTAL	21.43	21.43	21.98	21.48		TOTAL	133.35	133.35	130.72	133.02	
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 Port: - % Diminution Starboard: - Mean: -	Total Bottom Longitudinal Thickness					% Diminution Port: - % Diminution Starboard: - Mean: -
Total Deck Girder Thickness						Total Bottom Girder Thickness	85.75	85.75	89.32	87.19	
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						Total Bilge Longitudinal Tck					
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: Amundsen	IMO Number: 7510846	Report Number: MTL-1200703
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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 Port: - Starboard: - Mean: -	Keel Plate Thickness	19.05	19.05	18.31	18.54	% Diminution Port: - Starboard: - Mean: -
Total Deck Plate Thickness						Total Bottom Shell Thickness	120.40	120.40	117.41	116.75	
Sheerstrake Thickness	12.70	12.70	12.69	12.97		Total Bilge Thickness	41.15	41.15	41.65	39.90	
TOTAL	21.43	21.43	21.63	21.66		TOTAL	180.60	180.60	177.37	175.19	
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 Port: 0.44 % Diminution Starboard: 0.44 Mean: 0.44	Total Bottom Longitudinal Thickness					% Diminution Port: - Starboard: - Mean: -
Total Deck Girder Thickness						Total Bottom Girder Thickness	85.75	85.75	88.37	87.88	
Longitudinal Bhd Tck (Upper Strake)	7.94	7.94	7.91	7.91		Longitudinal Bhd Tck (Lower Strake)	12.70	12.70	12.94	12.90	
Total Sheerstrake Longitudinal Tck						Total Bilge Longitudinal Tck					
TOTAL	7.94	7.94	7.91	7.91		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 Port: - % Diminution Starboard: - Mean: -	Keel Plate Thickness	25.40	25.40	24.22	25.48	% Diminution Port: 3.29 % Diminution Starboard: 1.94 Mean: 2.61
Total Deck Plate Thickness						Total Bottom Shell Thickness	101.60	101.60	98.66	98.69	
Sheerstrake Thickness	12.70	12.70	12.68	12.94		Total Bilge Thickness	31.75	31.75	30.66	31.51	
TOTAL	21.43	21.43	21.59	21.97	-	TOTAL	158.75	158.75	153.54	155.68	-
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 Port: 1.13 % Diminution Starboard: 1.89 Mean: 1.51	Total Bottom Longitudinal Thickness					% Diminution Port: 88.76 - % Diminution Starboard: - Mean: -
Total Deck Girder Thickness						Total Bottom Girder Thickness	85.75	85.75	87.82	88.76	
Longitudinal Bhd Tck (Upper Strake)	7.94	7.94	7.85	7.79		Longitudinal Bhd Tck (Lower Strake)	7.94	7.94	7.84	8.14	
Total Sheerstrake Longitudinal Tck						Total Bilge Longitudinal Tck					
TOTAL	7.94	7.94	7.85	7.79	-	TOTAL	93.69	93.69	95.66	96.90	-

Operator's Signature:	Surveyor's Signature:
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