

MATERIAL SPECIFICATION									
PIPE									
SYSTEM	WORK TEST PRESS	TEMP	SIZE	MATERIAL	CERT	CONN	GASK		
DIESEL GENERATOR LUB OIL SYSTEM	547-10.34 BAR	82°C	ALL	SEAMLESS STL-ASTM A53 GRADE A SCH 40 BLACK		FLG 150	KLINGER BUL AS RESTOR PIPE 1/16 TMK		
LUB OIL PURIFIER SYSTEM	3-6 BAR	85°C							
CRANKCASE BREATHERS AND TANK VENTS	STATIC HD OF SYT			ELECTRICWELD ASTM A53 GRADE A SCH 40 BLACK					
FUEL TANK SOUNDING			50 2"	C-WELD ASTM A53 SCH 80 BLACK					

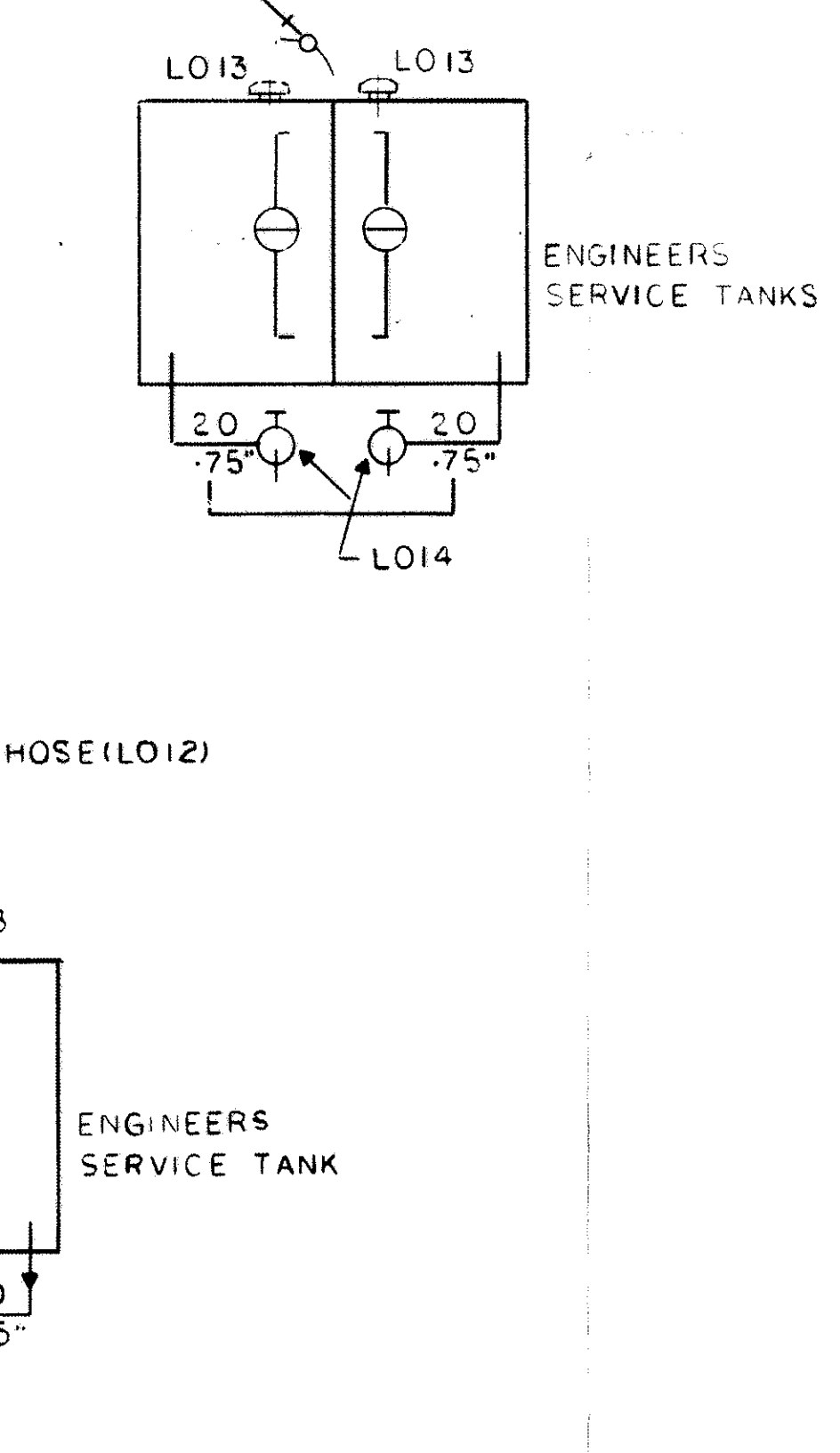
VALVES									
SYSTEM	TYPE	SIZE	BODY MATERIAL	TRIM MATER'L	BONNET CONN	CONN			
LUB OIL	VALVE CHEST	ALL	FABRICATED STEEL	BRONZE	BOLTED	FLG 150 ASA			
	ALL EXCEPT CHEST	2 1/2" 4" 1.5"	BRONZE		UNION BOLTED				

PUMP DATA				
N° OFF	SERVICE	TYPE	CAPACITY	HEAD
5	ENG DRIVEN	GEAR DRIVEN	73 M ³ -HR	
3	PRE LUB OIL	ROTARY SCW	5.68 M ³ -HR	
1	L O PURIFIER	NONE SELF CLEANING	1.2 M ³ -HR	15 METERS

TANK CAPACITY				
TANK	SPECIFIC GRAVITY	CAPACITY		
PROPULS. GENERATORS L.O. STORAGE TANK		13200 LITERS		
AUXIL. GENERATOR L.O. STORAGE TANK		2800 LITERS		
DIRTY LUB OIL TANK		7500 LITERS		
ENGINEERS SERVICE TANKS (3)		225 LITERS EACH		
BEARING LUB OIL STORAGE TANK		225 LITERS		

- GENERAL NOTES**
- 1) ALL TANK VENTS TO BE 25° OVER CLASSIFICATION SOCIETY RULES
 - 2) TANK VENTS TO TERMINATE IN ENGINE ROOM SPACES AND FITTED WITH GALV STL VENT TERMINALS
 - 3) ALL PUMPS, PURIFIER AND FILTERS TO BE FITTED WITH STEEL DRIP PANS
 - 4) FLEXIBLE PIPES TO BE LLOYDS TYPE APPROVED
 - 5) LUB OIL PURIFIER AND PRE LUB OIL PUMP TO BE CAPABLE OF BEING STOPPED OUTSIDE MACHINERY SPACE
 - 6) TANK LEVEL GAUGES TO BE SEETRU OR EQUAL
 - 7) A COMPLETE SPARE MAIN ENGINE LUB OIL PUMP TO BE PROVIDED
 - 8) DIESEL ENGINES LUB OIL SYSTEM SHALL BE FLUSHED OUT, DRAINED, FILLED WITH LUB OIL AND CIRCULATED BEFORE STARTING UP THE SYSTEM
 - 9) ALL PIPING TO BE PICKLED FOR LUB OIL SERVICE AND TO BE FITTED WITH PLASTIC CAPS. INTERNAL SURFACES OF ALL PIPE TO BE SPRAYED WITH LIGHT LUBRICATING OIL
 - 10) * ASTERISK DENOTES ITEMS SUPPLIED WITH MACHINERY
 - 11) PIPING SHOWN THUS — IS BOMBARDIER SUPPLY
 - 12) SELF CONTAINED CRANKCASE BREATHERS PROVIDED FOR AUXILIARY GENERATOR.
 - 13) STAINLESS STEEL PLUGS TO BE FITTED AT HIGH AND LOW POINTS ON SYSTEM FOR DRAINAGE AND DE AERATION.
 - 14) 1/2" NPT HALF COUPLINGS TO BE FITTED FOR FLOW SWITCHES, ELECT. CONNECTED TO ENG. AIR STARTING SYSTEM TO PREVENT START UP OF ENGINE WHEN PURIFIER IS IN USE
 - 15) STRIKING PADS FITTED UNDER ALL SOUNDING PIPES

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C.C.G.S. ANN HARVEY
APRIL 1987
AS FITTED

Halifax-Dartmouth Industries Limited

Canadian Coast Guard
Garde côtière canadienne

PROJECT					HULL N° 72
TYPE					1100 NAVALS TENDER LIGHT ICEBREAKER
TITLE					LUB OIL DIAGRAM.
APPR.	SENT	APPR.	SENT	APPR.	DRAWN by: A. WALMSLEY
OWNER	4.24.84	5.22.84			CHECKED by: [Signature]
LLOYDS	II	6.14.84			DATE: FEB. 26. 84
A.B.S.					REVISION N°
S.S.B.	4.24.84	5.31.84			
Scale.					Account no.
DRG. N°	72-757				Sheet 1 of 1