

BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers. 20,686 sq ft. (Boilers 18,619 sq ft.)
Is Forced Draft fitted Yes No. and Description of Boilers 3 B.W. Marine Type Working Pressure 450
Is a Report on Main Boilers now forwarded? Yes
Is a Donkey Boiler fitted? Yes If so, is a report now forwarded? Yes
Is the donkey boiler intended to be used for domestic purposes only. ✓
Plans. Are approved plans forwarded herewith for Shafting 24-8-46 Main Boilers. ✓ Auxiliary Boilers. ✓ Donkey Boilers. 4-
(If not, state date of approval)
Superheaters. ✓ General Pumping Arrangements. 22-12-43 Oil Fuel Burning Arrangements. 20-3-46 27

SPARE GEAR.

Has the spare gear required by the Rules been supplied. Yes
State the principal additional spare gear supplied. 1 - Spare screw shaft

The foregoing is a correct description,

FOR SWAN, HUNTER & WIGHAM RICHARDSON LIMITED

P.L. Jones

GENERAL MANAGER-ENGINEERING DEPT.

Manuf

Dates of Survey while building
During progress of work in shops - 1946 SEPT. 9, OCT. 18, 22, 25, NOV. 1, 4, 8, 14, 21, 25, 26, 29, DEC. 4, 23, 30, 1947 JAN. 8, 20, 31, FEB. 4, 5, 12, 13, 18, 28, MAR. 6, 7, 16, 12, 13, 14, 17, 20, 21, 24, 27, 28, 10, 14, 16, 17, 18, 22, 23, 24, 25, 30, MAY. 2, 6, 8, 9, 12, 14, 16, 20, 27, 30, JUNE. 3, 6, 13, 20, 25, JULY. 1, 15, 22, AUG. 6, 11, 14, 15, 18, 21, 22, SEPT. 8, 15, 17, 19, 24, OCT. 2, 3, 10, 14, 15, 16, 17, 20, 21, 22, 23, 27, NOV. 3, 4, 7, 17, 20, 26, DEC. 1, 5, 10, 11, 15, 16, 17, 18, 19, 22, 23, 24, 29, 30, 31, 1948 JAN. 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 19, 20, 21, 22, 23, 24, 29, 31, FEB. 4, 6, 10, 13, 17, 18
Total No. of visits 150

Dates of Examination of principal parts—Casings. ✓ Rotors. ✓ Blading. ✓ Gearing. ✓

Wheel shaft. ✓ Thrust shaft. 3-6-47 Intermediate shafts 3-6-47 Tube shaft. ✓ Screw shaft. 12-5-

Propeller. 9-6-47 Stern tube. 30-5-47 Engine and boiler scatings. S-1-48 Engine holding down bolts. 8-1-

Completion of fitting sea connections. 19-6-47 Completion of pumping arrangements. 29-1-48 Boilers fixed. 24-12-47 Engines tried under steam. 17-1-

Main boiler safety valves adjusted. 22-1-48 Thickness of adjusting washers. F/F-9/32, P/F-1/32, S/F-3/16, A-1/4, S-1/4, S-3/16

Rotor shaft, Material and tensile strength. ✓ Identification Mark. ✓ Shaft

Flexible Pinion Shaft, Material and tensile strength. ✓ Identification Mark. ✓

Pinion shaft, Material and tensile strength. ✓ Identification Mark. ✓

1st Reduction Wheel Shaft, Material and tensile strength. ✓ Identification Mark. ✓

Wheel shaft, Material. ✓ Identification Mark. ✓ Thrust shaft, Material. S.M. Steel Identification Mark. 15500-673

Intermediate shafts, Material. S.M. Steel Identification Marks. 15500-674 Tube shaft, Material. ✓ Identification Marks. ✓

Screw shaft, Material. S.M. Steel Identification Marks. 15500-671 Steam Pipes, Material. S.D. Steel Test pressure. 1350

Date of test. 10-11-19/1/48, 27-29/1/48 Is an installation fitted for burning oil fuel. Yes

Is the flash point of the oil to be used over 150°F. Yes Have the requirements of the Rules for the use of oil as fuel been complied with. Yes

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo. Yes If so, have the requirements of the Rules been complied with. Yes

If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with. ✓

Is this machinery a duplicate of a previous case. Yes If so, state name of vessel. HELICINA

General Remarks. (State quality of workmanship, opinions as to class, &c.)

The machinery of this vessel has been constructed under special survey in accordance with rule requirements & approved plans. Materials & workmanship are good. The machinery was satisfactorily tested on moving & sea trials & in my opinion is eligible for classification with records of TL.M.C. 2, 48. 3W.T.B. 450 lbs. (Spt. 440 lbs.). D.B. 180 lb. F.D.C.L. Fitted for oil fuel 2, 48. F.P. above 150°F.
Oil fuel installation for main boilers capable of burning cracked asphalt or bitum.
Flash point 400°F. S.G. at 60°F. 1.06. Melting point 165°F.
S.H.P. 13,300. Rans per min 121 obtained on sea trials. Speed 17.45 knots - vessel fully loaded

The amount of Entry Fee. £ 43 : 15 When applied for. 4 MAR 1948

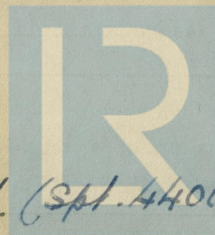
Special London. £ 43 : 15 MAIN W.T.B. 58 : 16 Donkey Boiler Fee. £ 25 : 13 When received.

Travelling Expenses (if any) £ : : 19

Committee's Minute.

Assigned. TL.M.C. 2, 48

Fitted for oil fuel 2, 48. FLASH POINT ABOVE 150°F. F.D. C.L. 2 WTB 450 lb. (Spt. 440 lb.) DB 180 lb.



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