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BOILERS, &c.—(Letter for record ) Total Heating Surface of Boilers

Is Forced Draft fitted. No. and Description of Boilers

Working Pressure 275 lb 4a.

Is a Report on Main Boilers now forwarded?

Is { a Donkey } Boiler fitted?  
(an Auxiliary)

If so, is a report now forwarded?

Plans. Are approved plans forwarded herewith for Shafting Main Boilers. Auxiliary Boilers. Donkey Boilers.  
(If not state date of approval)

Superheaters. General Pumping Arrangements. Oil Fuel Burning Arrangements.

Spare Gear. State the articles supplied: This will receive consideration at a later date.

AUXILIARIES:- Driven from main engines by means of chain gearing and friction clutches and also as an alternative by means of a direct drive through a reciprocating high speed steam engine.

MAIN CIRCULATING - 2400 GALLS PER MIN - 500 R.P.M. ✓

BILGE 75 TONS PER HOUR 500 R.P.M. ✓

SANITARY 27 " " " " ✓

~~EXTRACTION PHAP 20,000 LBS PER HOUR - 1100 R.P.M.~~

FORCED LUBRICATION 4000 GALL " " ✓

OIL COOLER 150 GALL PER MIN 1100 R.P.M. ✓

The foregoing is a correct description,

FOR THE PARSONS MARINE STEAM TURBINE Co. LIMITED  
R. Walker  
CHAIRMAN & MANAGING DIRECTOR

Dates of Survey while building 1934  
During progress of work in shops - Jan. 12.31. Mar. 6.13.19. Apr. 11.18. May 1.7.10.23.28. June 6.19. July 9.23. Aug. 8.29.  
During erection on board vessel - Sep. 11. Nov. 29. Dec. 4.11.17.19.  
Total No. of visits 24.

Dates of Examination of principal parts - Casings tested 10.5.34 Rotors 6.3.34 Blading 6.6.34 Gearing 9.6.34

Wheel shaft 9.6.34 Thrust shaft 9.6.34 Intermediate shafts Tube shaft Screw shaft

Propeller Stern tube Engine and boiler seatings Engine holding down bolts

Condenser tested 30.6.19.6.34 Boilers fixed Engines tried under steam

Main boiler safety valves adjusted Thickness of adjusting washers

Rotor shaft, Material and tensile strength Steel 38 tons All forgings examined finished Identification Mark L.P. 5717 HAI

Flexible Pinion Shaft, Material and tensile strength and stamped S with date Identification Mark 41974 MAB

Pinion shaft, Material and tensile strength Steel 44 tons See enclosed packet of reports Identification Mark 950. MAB

1st Reduction Wheel Shaft, Material and tensile strength Steel 34.8 Identification Mark 4727 CSP

Wheel shaft, Material Steel 33.6 tons Identification Mark 4727 CSP Thrust shaft, Material 70 tons part wheel shaft Identification Mark

Intermediate shafts, Material Identification Marks Tube shaft, Material Identification Marks

Screw shaft, Material Identification Marks Steam Pipes, Material Test pressure

Date of test Is an installation fitted for burning oil fuel

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

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

Is this machinery a duplicate of a previous case No If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.) This 2000 S.H.P. unit has been constructed

under special survey & the materials & workmanship are good. All pressure parts were tested by hydraulic pressure. The complete unit together with the auxiliary pumps driven from the main wheel shaft were tested on full brake load & all found satisfactory.

This unit remains in stock until such times as it is fitted on board a vessel.

Forging reports, plan of gearing & descriptive literature are enclosed.

EP turbine blading modified & new rotor shaft fitted. This unit has been running extensive brake trials in shops & was afterwards opened up before fitting on board the above vessel.

For complete machinery report see separate report herewith

$$\frac{275 \times 590}{1500} \left( \frac{S.H.P.}{6} \right) \times \frac{4}{5}$$

The amount of Entry Fee ... £ 38 : 8/-  
Special ... £ 20 : 8/-  
Donkey Boiler Fee ... £ : :  
Travelling Expenses (if any) £ : :  
When applied for, 20 DEC 1934  
When received, 16.2.35

When applied for, 20 DEC 1934  
When received, 16.2.35  
E. J. Hoddart  
Engineer Surveyor to Lloyd's Register of Shipping.

H. B. Forster

Committee's Minute  
Assigned Not for Classing Committee

FRI. 13 MAR 1936

FRI. 13 MAR 1936

see minute on 26. Rpt.



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