

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

23 JUN 1927

NEWCASTLE ON TYNE

Writing Report 18 June 1927 When handed in at Local Office 22 June 1927 Port of NEWCASTLE ON TYNE

Survey held at Walker on the STEEL TWIN SCREW STEAMER JUNA

By whom built Swan Hunter, Wigham Richardson & Co. Yard No. 1230

By whom made Swan Hunter, Wigham Richardson & Co. Engine No. 1230

By whom made Swan Hunter, Wigham Richardson & Co. Boiler No. 1230

Owners British India Steam Navigation Co Ltd Port belonging to London

Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

Horse Power as per Rule 469

Revs. per minute 945

Is the after end of the liner made watertight in the stern tube Yes

Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft Yes

Can one be overhauled while the other is at work Yes

How driven Steam

Are they fitted with a spigot and brass covering plate Yes

How are they protected through tunnel

Have they been tested as per Rule Yes

Is it fitted with a watertight door Yes

Is the Shaft Tunnel watertight Yes

Is the Shaft Tunnel watertight Yes

Working Pressure 215 lb

Are approved plans forwarded herewith for Shafting Yes

General Pumping Arrangements Yes

Oil fuel Burning Piping Arrangements Yes

State the articles supplied: Two top end bolts & nuts, 2 top end brass, 1 bottom end brass, two main shaft bolts & nuts, 1 set coupling bolts & nuts, Spare Bilge & Sanitary pump valves, Spare valves and

2 Bottom end bolts & nuts. See note to 29/6/27.

The foregoing is a correct description,

FOR SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

Manufacturer.

*At Wintourley*

SECRETARY



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Lloyd's Register Foundation

W49-0197

34216/27

1926  
 Oct. 12, 14, 20, 21, 29. Nov. 1, 3, 10, 12, 17, 18, 22, 23. Dec. 2, 8, 10, 22, 29. 1927  
 Jan. 6, 7, 13, 14, 24. Feb. 2  
 During progress of work in shops - -  
 17, 24. Mar. 1, 3, 4, 9, 10, 11, 14, 18, 22, 24, 28, 30, 31. Apr. 1, 4, 8, 11, 14, 20, 22, 28, 29. May 4, 5, 10, 11, 17.  
 Dates of Survey while building  
 During erection on board vessel - - -  
 17, 18, 20, 21, 24, 27, 30. June 2, 3, 8, 10, 13, 15, 16.

Total No. of visits **70**

HP Cyl tested. 270lb MIP Cyl. 100lb. LP. Cyl. 40lb - Condensers tested 15lb. hydraulic pressure.  
 Dates of Examination of principal parts - Cylinders 24.3.27, 22.3.27 Slides 4.3.27, 8.4.27 Covers 8.4.27, 21.4.27  
 Pistons 28.3.27, 21.4.27 Piston Rods 30.3.27, 11.4.27, 21.4.27 Connecting rods 8.4.27, 11.4.27, 21.4.27  
 Crank shaft 22.3.27, 24.3.27, 2/4/27 Thrust shaft 24.2.27, 14.4.27 Intermediate shafts 28/3/27, 14.4.27, 24.4.27  
 Tube shaft 5 May 27, 10.5.27 Screw shaft 30.3.27, 24.2.27, 4.2.27 Propeller 30.3.27, 24/3/27, 10.5.27, 18.5.27  
 Stern tube 14.2.27, 4.5.27 Engine and boiler seatings 10.5.27, 17.5.27 Engines holding down bolts 17.5.27, 20.5.27, 24.5.27  
 Completion of pumping arrangements 13.6.27 - 16 June 27 Boilers fixed 10 June 27 Engines tried under steam 10 June 27  
 Main boiler safety valves adjusted 10 June 27 Thickness of adjusting washers FB.F 9/16. A 5/16 - PB.F 3/8. A 3/8 - SB.F 9/16  
 Crank shaft material **Steel** Identification Mark LR.JD. 15/2/26 Thrust shaft material **Steel** Identification Mark LR.JD. 23/2/26 - LGS  
 Intermediate shafts, material **Steel** Identification Marks LR.JD 12648/9 Tube shaft, material **Steel** Identification Mark L  
 7555. 27 8.26.10 12633/4 LR. 12633. JD. 2.11.26.  
 Screw shaft, material **Steel** Identification Mark LGS. 8/4/27 Steam Pipes, material **Steel** Test pressure 645lb Date of Test 2.6.27  
 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 carrying and burning oil fuel been complied with **yes**  
 Is this machinery duplicate of a previous case **no** If so, state name of vessel

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

The machinery and Boilers built under Special Survey the material and workmanship found good and efficient.  
 The Engines and Boilers Satisfactorily installed on board the Vessel, tested under working conditions and found satisfactory -  
 In my opinion this Vessel is now eligible for the notation of + LMC. 6.27 (INREN) in the Register Book

It is submitted that this vessel is eligible for THE RECORD. + LMC 6.27. FD. CL. Fitted for oil fuel 6.27. FP above 150°F.

*J.W.D.*  
 28/6/27.  
 L. G. Shewcross.  
 Engineer Surveyor to Lloyd's Register of Shipping.

The amount of Entry Fee ... £ 5 : 0 :  
 Special ... £ 95 : 7 :  
 Donkey Boiler Fee ... £ : :  
 Travelling Expenses (if any) £ : :  
 When applied for, 20/6/1927  
 When received, 22/6/1927

Committee's Minute TUES. 28 JUN 1927

Assigned + LMC 6:27 FD. CL Fitted for Oil Fuel 6.27 FP above 150°F

CERTIFICATE WRITTEN



NEWCASTLE-ON-TYNE

Certificate to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.