

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

Received at London Office

11 NOV 1936 DEC 1936

Date of writing Report 19 7 11 1936 Port of Glasgow  
 No. in Survey held at Glasgow Date, First Survey 29. 4. 36 Last Survey 3-11-1936  
 Reg. Book on the new steel s/s "JERSEY QUEEN".  
 Built at Burntisland By whom built Burntisland S.B. Co. Yard No. 201 Tons { Gross  
 Engines made at Glasgow By whom made David Rowan & Co. Ltd. Engine No. 998 When built 1936  
 Boilers made at Glasgow By whom made David Rowan & Co. Ltd. Boiler No. 998 When made 1936  
 Registered Horse Power Owners London & Channel Islands S.S. Co. Ltd. Port belonging to London  
 Nom. Horse Power as per Rule 129 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted Yes  
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Triple expansion  
 Dia. of Cylinders 14"-24"-40" Length of Stroke 24" No. of Cylinders 3 Revs. per minute  
 Crank shaft, d.a. of journals as per Rule 4.404" Crank pin dia. 4 3/4" Crank webs Mid. length breadth 11" No. of Cranks 3  
 as fitted 4 3/4" Mid. length thickness 5" shrunk Thickness parallel to axis 5"  
 Intermediate Shafts, diameter as per Rule 4.34" Thrust shaft, diameter at collars as per Rule 4.404" Thickness around eye-hole 3 7/8"  
 as fitted none as fitted 8"  
 Tube Shafts, diameter as per Rule 8.66" Is the { tube } shaft fitted with a continuous liner { no liner }  
 as fitted 9 1/4" { screw }  
 Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the  
 as fitted propeller boss If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner  
 If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive  
 If two liners are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland or other appliance fitted at the after end of the tube  
 If so, state type Cundall Length of Bearing in Stern Bush next to and supporting propeller White Metal 3'-1"  
 Propeller, dia. 10'-8" Pitch 11'-9" No. of blades 4 Material Cast Iron whether Movable no Total Developed Surface 40.3 sq. feet  
 Feed Pumps worked from the Main Engines, No. 2 Diameter 2 1/2" Stroke 14" Can one be overhauled while the other is at work Yes  
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 2 1/2" Stroke 14" Can one be overhauled while the other is at work Yes  
 Feed Pumps { No. and size one @ 4"-8 1/2" x 2 1/2" Pumps connected to the { No. and size Ballast pump  
 How driven steam Main Bilge Line How driven Steam  
 Ballast Pumps, No. and size one @ 6" x 4" x 6" Lubricating Oil Pumps, including spare Pump, No. and size none  
 Are two independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary  
 Bilge Pumps;—In Engine and Boiler Room In Pump Room In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,  
 No. and size Are all the Bilge Suction Pipes in holds and turn l well fitted with strum-boxes  
 Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges  
 Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks  
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Overboard Discharges above or below the deep water line  
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate  
 What Pipes pass through the bunkers How are they protected  
 What pipes pass through the deep tanks Have they been tested as per Rule  
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times  
 Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one  
 compartment to another Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record (S)) Total Heating Surface of Boilers 1953 sq. ft.  
 Is Forced Draft fitted Yes No. and Description of Boilers one SB. Working Pressure 200  
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes  
 IS A DONKEY BOILER FITTED? No If so, is a report now forwarded?  
 Is the donkey boiler intended to be used for domestic purposes only  
 PLANS. Are approved plans forwarded herewith for Shafting no Main Boilers Yes Auxiliary Boilers Donkey Boilers  
 (If not state date of approval)  
 Superheaters General Pumping Arrangements No Oil fuel Burning Piping Arrangements

## SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes  
 State the principal additional spare gear supplied One Propeller, & various small items

The foregoing is a correct description,  
 For David Rowan & Co. Ltd.  
 Archd. N. Grierson

Manufacturer.



© 2020

Lloyd's Register  
Foundation



1936 Apr. 29 May 8. 13. 21 June 2. 5. 8. 23 July 6 Aug 7. 19. 26 Sep 1. 11. 14  
During progress of work in shops - 18. 22. 30 Oct 2. 5. 6. 7. 8. 12. 16. 19. 20. 21. 22. 26. 27. 28. 29. 30 Nov 2. 3  
Dates of Survey while building  
During erection on board vessel - - -  
Total No. of visits 36

Dates of Examination of principal parts—Cylinders 2-10-36 Slides 22-10-36 Covers 2-10-36  
Pistons 20-10-36 Piston Rods 19-10-36 Connecting rods 5-10-36  
Crank shaft 30-9-36 Thrust shaft 30-9-36 Intermediate shafts -  
Tube shaft - Screw shaft 27-10-36 Propeller 16-10-36  
Stern tube 26-10-36 Engine and boiler seatings 11/11 Engines holding down bolts 11/11

Completion of fitting sea connections 11/11  
Completion of pumping arrangements 11/11 Boilers fixed 11/11 Engines tried under steam 11/11  
Main boiler safety valves adjusted 11/11 Thickness of adjusting washers 11/11

Crank shaft material J. Steel Identification Mark \* LLOYD'S NO 6531 L.C.D. 30-9-36 Thrust shaft material J. Steel Identification Mark \* LLOYD'S NO 6531 L.C.D. 30-9-36  
Intermediate shafts, material None Identification Marks Tube shaft, material None Identification Mark

Screw shaft, material J. Steel Identification Mark \* LLOYD'S NO 6531 L.C.D. 27-10-36 Steam Pipes, material copper Test pressure 400 lb Date of Test  
Is an installation fitted for burning oil fuel No Is the flash point of the oil to be used over 150°F. No

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 No If so, have the requirements of the Rules been complied with -

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with -

Is this machinery duplicate of a previous case yes + If so, state name of vessel London Queen E.R. Rpt. No 53254

General Remarks (State quality of workmanship, opinions as to class, etc) Except for draught, size of propeller and donkey pump

\* In addition to these marks the original page numbers are stamped on each finished shaft and rod - as per Fitting Report herewith.

The materials and workmanship are good.

The machinery has been constructed under Special Survey and sent to Burntisland to be fitted in the vessel

In my opinion it will be eligible for classification and the record + LMC (with date) when satisfactorily fitted in the vessel

7/11/36.

The amount of Entry Fee ... £ 3 : :  
4/5 Special due 9/10 apr. £ 25 : 16 :  
1/5 Donkey Boiler Fee due 1/10 apr. £ 6 : 9 :  
Travelling Expenses (if any) £ : :  
When applied for, 10 NOV 1936  
When received, 17.12.36 18/12

Committee's Minute GLASGOW 10 NOV 1936

Assigned Deferred.

Sch Davis  
Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 22 DEC 1936

see Lth. Machy  
28. 19232.

© 2020

Lloyd's Register Foundation

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