

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

11 NOV 1936 DEC 1936

Date of writing Report 10 When handed in at Local Office 7. 11. 36 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" (Number of Visits 36)
 Built at Burntisland By whom built Burntisland S.B. Co Yard No. 201 Tons { Gross / Net }
 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 Revs. per minute _____
 Dia. of Cylinders 14" - 24" - 40" Length of Stroke 24" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, d.a. of journals as per Rule 7.707" Crank pin dia. 7 3/4" Crank webs Mid. length breadth 11" Thickness parallel to axis 5"
 as fitted 7 3/4" Mid. length thickness 5" shrunk Thickness around eye-hole 3 7/8"
 Intermediate Shafts, diameter as per Rule 4.34" Thrust shaft, diameter at collars as per Rule 7.707"
 as fitted none as fitted 8"
 Tube Shafts, diameter as per Rule _____ Screw Shaft, diameter as per Rule 8.66" Is the { tube / screw } shaft fitted with a continuous liner { no liner }
 as fitted _____ as fitted 9 1/4"
 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 _____ 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
 shaft _____ If so, state type Cedarwall 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' 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 tween 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. W. Grierson

Manufacturer.



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 *lth* Engines holding down bolts *lth*

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

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 * *LLOYD'S No 6531 L.C.D. 30-9-36* Tube shaft, material *none* Identification Mark * *LLOYD'S No 6531 L.C.D. 30-9-36*

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, &c) *Except force draught, size of propeller and donkey pumps*
 * 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 of LMC (with date) when satisfactorily fitted in the vessel

7/11/36.

Certificate to be sent to GLASGOW

The amount of Entry Fee ... £ 3 : : When applied for, 10 NOV 1936
 4/5 Special *due 9/10 apr.* £ 25 : 16 :
 1/5 Donkey Boiler *due 24 apr.* Fee £ 6 : 9 :
 Travelling Expenses (if any) £ : : When received, 17.12.36 18/12

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

Committee's Minute GLASGOW 10 NOV 1936

Assigned *Deferred.*

TUE. 22 DEC 1936

see Lth. Machy. 28. 19232.