

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 10 AUG 1955 1955

Writing Report 30.3.55 19 When handed in at Local Office 19.4.55 19 Port of Lada

Survey held at Newburg, Berks. Date, First Survey 11.11.54 Last Survey 24.3.55 19
 (Number of Visits 16)

on the Sheifa. Tons Gross Net

at Bowling. By whom built Scott & Loe Ltd. Yard No. 404 When built 1955

Engines made at Newburg, Berks. By whom made Scott & Loe Ltd. Engine No. 2901. When made 1955.3

Boilers made at By whom made Boiler No. When made

Horse Power 1100 I.H.P. Owners Sudan Government Service Port belonging to Sudan

Horse Power as per Rule 198. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

for which vessel is intended Towing services

Engines, &c.—Description of Engines 3 Cylinder triple expansion steam. Revs. per minute 125.

No. of Cylinders 3 Length of Stroke 30" No. of Cranks 3

shaft, dia. of journals 8.97" as per Rule as fitted 9 3/8" Crank pin dia. 9 3/8" Crank webs Mid. length breadth 1' 5 1/4" Thickness parallel to axis 6" shrunk Mid. length thickness 6" Thickness around eye-hole 3 15/16"

Intermediate Shafts, diameter as per Rule as fitted Thrust shaft, diameter at collars as per Rule as fitted

Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted

Is the tube screw shaft fitted with a continuous liner

Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per Rule as fitted

Is the after end of the liner made watertight in the

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

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

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 Length of Bearing in Stern Bush next to and supporting propeller

er, dia. Pitch No. of Blades Material whether Movable Total Developed Surface sq. feet

Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 15" Can one be overhauled while the other is at work Yes.

Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 15" Can one be overhauled while the other is at work Yes.

No. and size Pumps connected to the Main Bilge Line { No. and size How driven

How driven Lubricating Oil Pumps, including Spare Pump, No. and size

Independent means arranged for circulating water through the Oil Cooler Suctions, connected both to Main Bilge Pumps and Auxiliary Pumps:—In Engine and Boiler Room In Hold, &c.

Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges, size

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

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

Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks

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

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

pipes pass through the bunkers How are they protected

pipes pass through the deep tanks Have they been tested as per Rule

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

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

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

Boilers are fitted with Forced Draft Which Boilers are fitted with Superheaters

Description of Boilers Working Pressure

REPORT ON MAIN BOILERS NOW FORWARDED? No. Not made at Newburg.

DONKEY BOILER FITTED? If so, is a report now forwarded?

Donkey boiler be used for other than domestic purposes

S. Are approved plans forwarded herewith for Shafting Yes. Main Boilers Auxiliary Boilers Donkey Boilers

(If not state date of approval)

General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

Spare gear required by the Rules been supplied Yes.

Principal additional spare gear supplied 1 set main bearing balls, M.E. pump valves, 6 condenser tubes, ferrules of, 1 set metallic packing for piston & valve rods, various studs & nuts.

The foregoing is a correct description.

 Manufacturer.



PP1181

During progress of work in shops -- 1954 11/11, 19/11, 26/11, 2/12, 9/12, 23/12.
1955 6/1, 13/1, 20/1, 27/1, 1/2, 10/2, 24/2, 1/3, 10/3, 24/3.

Dates of Survey while building

During erection on board vessel ---

Total No. of visits 16.

Dates of Examination of principal parts - Cylinders I.P. 1/3/55 L.P. 6/1/55 Slides Various date + 10/3/55 Covers as cylinders.

Pistons 10/3/55 Piston Rods Various date + 10/3/55 Connecting rods Various date + 10/3/55

Crank shaft 23/2/54 + 13/1/55 Thrust shaft ✓ Intermediate shafts ✓

Tube shaft ✓ Screw shaft ✓ Propeller ✓

Stern tube ✓ Engine and boiler seatings ✓ Engines holding down bolts ✓

Completion of fitting sea connections ✓ Boilers fixed ✓ Engines tried under steam ✓

Completion of pumping arrangements ✓ Thickness of adjusting washers ✓

Main boiler safety valves adjusted ✓ Crank shaft material O.H. steel. Identification Mark 7409 S.H. 10.11.53 Thrust shaft material ✓ Identification Mark ✓

Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓

Screw shaft, material ✓ Identification Mark ✓ 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 ✓

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. No. If so, state name of vessel Exp. No. 2746, 2755, 2758/9, + 2972.

General Remarks (State quality of workmanship, opinions as to class, &c. This engine has been built under

Special Survey in accordance with the requirements of the Rules and the approved Plans. The materials and the workmanship are good.

The engine has been despatched to Messrs. Scott & Son Ltd., Bombay for installation in yard No. 404.

The amount of Entry Fee ... £ 30 : - : } When applied for, 25 APR 1955
Special ... £ : : }
Donkey Boiler Fee ... £ : : } When received,
Travelling Expenses (if any) £ 6 : 15 : } 19

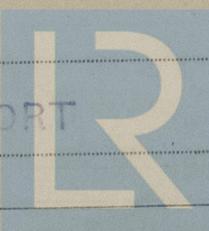
Signature of Engineer Surveyor to Lloyd's Register of Ships

GLASGOW 9 AUG 1955

Date

Committee's Minute

SEE ACCOMPANYING MACHINERY REPORT



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Vertical text on the left margin: Certificate to be sent to... (The Surveyors are requested not to write on or below the space for Committee's Minute.)