

REPORT ON OIL ENGINE MACHINERY.

18 APR

No. 16938

15 DEC 1955

Received at London Office

MANCHESTER

Report 30th Nov. 1955 When handed in at Local Office 13 Dec. 1955 Port of

Survey held at Ashton-under-Lyne. Date, First Survey 29th Sept. 1955 Last Survey 21st Nov. 1955 Number of Visits 7

on the ~~Triple~~ ^{Single} ~~Screw vessel~~ ^{Irrawaddy Flotilla Quarter Wheeler - Classed Vessel.} Tons Gross Net

Scotstoun, Glasgow. By whom built Messrs. Yarrow & Co. Job No. 635 Order 2404. When built 1955

made at Ashton-under-Lyne By whom made The National Gas & O.E. Co. Ltd. Engine No. 80641 When made 1955

Boilers made at By whom made Boiler No. When made

Owners The Burma Inland Water Transport Org. Port belonging to

Is Refrigerating Machinery fitted for cargo purposes. Is Electric Light fitted.

which vessel is intended.

INES, &c. - Type of Engines National R4AM8 2 or 4 stroke cycle 4 Single or double acting Single

Pressure in cylinders 850 psi Diameter of cylinders 9" Length of stroke 12" No. of cylinders 8 No. of cranks 3

Rated Pressure 115 psi Ahead Firing Order in Cylinders 1.5.2.6.8.4.7.3 Span of bearings, adjacent to the crank, measured

edge to inner edge 10 1/2" Is there a bearing between each crank Yes lb. in. sec. 2.600/35.94

Weight 2,840 Moment of inertia of flywheel (lbs. in² or Kg. cm.²) 1433 Means of ignition Comp. Kind of fuel used Diesel

dia. of journals 6.622 Crank pin dia. 6.372 Crank webs Mid. length breadth 8 1/2" Thickness parallel to axis

as per Rule approved as fitted 6.622 Crank webs Mid. length thickness 2 3/4" shrunk Thickness around eyehole

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

Screw Shaft, diameter as per Rule as fitted Is the tube screw shaft fitted with a continuous liner

ers, 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

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

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

shaft If so, state type Length of bearing in Stern Bush next to and supporting propeller

dia Pitch No. of blades Material whether moveable Total developed surface sq. feet

inertia of propeller (lbs. in² or Kg. cm.²) Kind of damper, if fitted Holset Viscous Type

reversing Engines R/R Gear Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of

Forced Thickness of cylinder liners 19/32" Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled

Exhaust Manifold Water Cooled. If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned

with non-conducting material 1 FW. Pump 5280 GPH capacity. 1 SW. Pump 8,000 GPH. capacity.

engine Cooling Water Pumps, No. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

ps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work

ected to the Main Bilge Line No. and size How driven

ng water led to the bilges If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping

its

mps, No. and size Power Driven Lubricating Oil Pumps, including spare pump, No. and size 2 - 1,000 GPH. each.

dependent means arranged for circulating water through the Oil Cooler Suctions, connected to both main bilge pumps and auxiliary

s, No. and size: - In machinery spaces In pump room

nt Power Pump Direct Suctions to the engine room bilges, No. and size

bilge suction pipes in holds and tunnel well fitted with strum-boxes. Are the bilge suction in the machinery spaces led from easily

nud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges.

Connections fitted direct on the skin of the Ship. Are they fitted with valves or cocks. Are they fixed

high on the ship's side to be seen without lifting the platform plates. Are the overboard discharges above or below the deep water line.

ch 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.

s pass through the bunkers. How are they protected.

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

es, cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times.

ngement 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

rom one compartment to another. Is the shaft tunnel watertight. Is it fitted with a watertight door. worked from.

essel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork.

Compressors, No. One CS2 Reavel No. of stages Two diameters LP. 3 1/2" dia. stroke 3" driven by Vee belt from

Air Compressors, No. No. of stages diameters stroke driven by

iliary Air Compressors, No. No. of stages diameters stroke driven by

vision is made for first charging the air receivers.

g Air Pumps, No. diameter stroke driven by

Engines crank shafts, diameter as per Rule as fitted No. Position.

auxiliary engines been constructed under special survey. Is a report sent herewith.

611636-01645-0306

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