

REPORT ON OIL ENGINE MACHINERY.

No. 46890

1b

Writing Report 29th June 1924 When handed in at Local Office 22-7-1924 Port of Glasgow
 Survey held at Glasgow Date, First Survey and Last Survey 21st June 1924
 Number of Visits 1
 on the Single }
 Twin }
 Triple }
 Quadruple } Screw vessel M.S. Pacific Reliance
 Tons }
 Gross }
 Net }
 By whom built Blythwoods & Co Ltd Yard No. 14 When built 1924
 By whom made Engine No. When made
 By whom made Boiler No. When made
 Owners Port belonging to
 Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 for which vessel is intended

ENGINES, &c.—Type of Engines 2 or 4 stroke cycle Single or double acting
 pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks
 bearings, adjacent to the Crank, measured from inner edge to inner edge Is there a bearing between each crank
 as per minute Flywheel dia. Weight Means of ignition Kind of fuel used
 shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis
 as fitted as fitted Mid. length thickness shrunk Thickness around eye-hole
 1 Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule
 as fitted as fitted as fitted
 shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the tube screw shaft fitted with a continuous liner
 as fitted as fitted as fitted
 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 as fitted
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner
 er 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
 ers are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland or other appliance fitted at the after
 tube shaft Length of Bearing in Stern Bush next to and supporting propeller
 r, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet
 of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched Means of lubrication
 Thickness of cylinder liners Are the cylinders fitted with safety valves Are the exhaust pipes and silencers water cooled or lagged with
 acting material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine
 Water Pumps, No. Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 mps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work
 mected to the Main Bilge Line No. and Size How driven
 Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size
 independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
 No. and size:—In Machinery Spaces
 &c.

ident Power Pump Direct Suctions to the Engine Room Bilges, No. and size
 he Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Are the Bilge Suctions in the Machinery Spaces
 easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges
 ea Connections fitted direct on the skin of the ship y/s Are they fitted with Valves or Cocks Both
 red sufficiently 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 y/s Are the Blow Off Cocks fitted with a spigot and brass covering plate y/s
 s pass through the bunkers How are they protected
 s pass through the deep tanks Have they been tested as per Rule
 pes, 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 spaces, or from one
 nt to another Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from
 vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
 Compressors, No. No. of stages Diameters Stroke Driven by
 y Air Compressors, No. No. of stages Diameters Stroke Driven by
 xiliary Air Compressors, No. No. of stages Diameters Stroke Driven by
 ng Air Pumps, No. Diameter Stroke Driven by
 Engines crank shafts, diameter as per Rule
 as fitted

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule
 ternal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces
 drain arrangement fitted at the lowest part of each receiver
 ssure Air Receivers, No. Cubic capacity of each Internal diameter thickness
 up welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules
 Air Receivers, No. Total cubic capacity Internal diameter thickness
 up welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

W284-0025

© 2019

Lloyd's Register
 Foundation

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Shafting

(If not, state date of approval)

Receivers

Separate Tanks

Donkey Boilers

General Pumping Arrangements

Oil Fuel Burning Arrangements

SPARE GEAR

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
During progress of work in shops--
During erection on board vessel--
Total No. of visits

1927 June 21

Dates of Examination of principal parts—Cylinders

Covers

Pistons

Rods

Connecting rods

Crank shaft

Flywheel shaft

Thrust shaft

Intermediate shafts

Tube shaft

Screw shaft

Propeller

Stern tube

Engine seatings

Engines holding down bolts

Completion of fitting sea connections

21/6/27

Completion of pumping arrangements

Engines tried under working conditions

Crank shaft, Material

Identification Mark

Flywheel shaft, Material

Identification Mark

Thrust shaft, Material

Identification Mark

Intermediate shafts, Material

Identification Marks

Tube shaft, Material

Identification Mark

Screw shaft, Material

Identification Mark

Is the flash point of the oil to be used over 150° F.

Is this machinery duplicate of a previous case

If so, state name of vessel

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

Fastenings of propellers, Stern tubes & sea connections examined and found in order.

The amount of Entry Fee	£	:	:	When applied for,
Special	£	:	:	19
Donkey Boiler Fee	£	:	:	When received,
Travelling Expenses (if any)	£	:	:	19

Committee's Minute

TUES. 20 SEP 1927

Assigned

Geo. Bonmaras
Engineer Surveyor to Lloyd's Register of Shipping.



© 2019

Lloyd's Register
Foundation