

AUX! REPORT ON OIL ENGINE MACHINERY.

No. 13370.

Received at London Office

4 FEB 1936

of writing Report 3rd Feb. 1936. When handed in at Local Office 3rd Feb. 1936. Port of BRISTOL

in Survey held at DURBLEY Date, First Survey 6th Jan. Last Survey 15th Jan. 1936.
Book. Number of Visits 2.

Single
on the Twin } Screw vessel
Triple }
Quadruple }

Ashanti

Tons } Gross
Net

lt at Gool By whom built Gool Shipbuilding Co Yard Nos 312 } When built
gines made at Gool By whom made Gool & Co. Engine Nos 313 } When made 1936
nkey Boilers made at By whom made 314 }
ake Horse Power 14 Owners 315 }
m. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Port belonging to
ade for which vessel is intended Is Electric Light fitted

ENGINES, &c.—Type of Engines C.E Type Airless Injection 2 or 4 stroke cycle 4 Single or double acting SINGLE
imum pressure in cylinders 750 LBS Diameter of cylinders 4.5 Length of stroke 4.375 No. of cylinders 2 No. of cranks 2
n of bearings, adjacent to the Crank, measured from inner edge to inner edge 4 1/16 Is there a bearing between each crank Yes
olutions per minute 1000 Flywheel dia. 24 Weight 684 lbs Means of ignition Compression Kind of fuel used Shell Diesel
nk Shaft, dia. of journals as per Rule Crank pin dia. 2.75 Crank Webs Mid. length breadth 3.5 Thickness parallel to axis
as fitted 2.375 M d. length thickness 1.31 shrunk Thickness around eye-hole
wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule
as fitted 2.25 as fitted as fitted
be Shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the { tube } shaft fitted with a continuous liner {
as fitted as fitted as fitted

onze 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

ter boss 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

o 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

propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet

ethod of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication

Thickness of cylinder liners 266 Are the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with

conducting material No If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

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

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

pumps connected to the Main Bilge Line { No. and Size
How driven

ast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size

two independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge

pumps, No. and size:—In Machinery Spaces

Holds, &c.

ependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes. Are the Bilge Suctions in the Machinery Spaces

from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

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

they fixed 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

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

at pipes pass through the bunkers How are they protected

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

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

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

partment to another Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

ain Air Compressors, No. No. of stages Diameters Stroke Driven by

axiliary Air Compressors, No. No. of stages Diameters Stroke Driven by

nall Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by

avenging Air Pumps, No. Diameter Stroke Driven by

axiliary Engines crank shafts, diameter as per Rule

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

the internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces

there a drain arrangement fitted at the lowest part of each receiver

igh Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

eamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

arting Air Receivers, No. Total cubic capacity Internal diameter thickness

eamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

6110-96114

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Shafting 24/10/34 Receivers Separate Tanks
(If not, state date of approval)
Donkey Boilers General Pumping Arrangements Oil Fuel Burning Arrangements

SPARE GEAR

The foregoing is a correct description,

J. P. R. A. Ricketts & Co (Marine Sales Dept) Manufacturer.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - -
Total No. of visits 2

Jan. 6. 15.

Dates of Examination of principal parts—Cylinders 6/1/36 Covers 6/1/36 Pistons 6/1/36 Rods Connecting rods 6/1/36
Crank shaft 6/1/36 Flywheel shaft 6/1/36 Thrust shaft Intermediate shafts Tube shaft
Screw shaft Propeller Stern tube Engine seatings Engines holding down bolts
Completion of fitting sea connections Completion of pumping arrangements Engines tried under working conditions 15/1/36
Crank shaft, Material Steel Identification Mark M 381912-3-4-5 & 386-9-90-91 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.

Have the requirements of the Rules for oil fuel pipes and tank fittings 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

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. (4 CE TYPE. AUX. ENGINES))

These engines are stated to be for auxiliary purposes for vessels being built at Gool, Gool Shipbuilding & Eng^{rs} for Yards Nos 312-3-4 &c. They have been dispatched to the Hamworthy Eng^{rs} to be fitted with air compressors & centrifugal pumps

The engines have been constructed under special survey & tried on the test bed with satisfactory results

The amount of Entry Fee ... £ : : When applied for,
Special ... £ 12 : 12 : 3rd Feb. 1936
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ 16 : 22/4/ : 1936

Committee's Minute

TUE. 30 JUN 1936

FRI. 14 AUG 1936

FRI. 16 OCT 1936

Assigned

See Sub 26. 46845

John L. Gwynne
Engineer Surveyor to Lloyd's Register of Shipping.



© 2020

Lloyd's Register Foundation