

REPORT ON OIL ENGINE MACHINERY.

No. 79675

Received at London Office - 9 OCT 1925

of writing Report

When handed in at Local Office

26/9/25 Port of Newcastle-on-Tyne

in Survey held at

Waller-on-Tyne

Date, First Survey Sept 11th 1924 Last Survey 22. Sept 1925

Book.

Single
on the Tonnage
Triple

Motor Ship "British Petrol"

Tons Gross 6392
Net 4113

It at Waller-on-Tyne

By whom built

Swan Humber and
Wigham Richardson & Co Ltd Yard No. 1196 When built 1925

ines made at

By whom made

do

Engine No. 1196 When made 1925

key Boilers made at

By whom made

Boiler No. 1196 When made 1925

ke Horse Power

Owners British Tanker Co Ltd

Port belonging to London

u. Horse Power as per Rule 796

Is Refrigerating Machinery fitted for cargo purposes

do

Is Electric Light fitted

Yes

ENGINES, &c.—Type of Engines

Repture Oil Engine

2 stroke cycle Single or Double acting

Yes

Yes

main pressure in cylinders 500 lbs No. of cylinders 8 Diameter of cylinders 24" No. of cranks 8 Length of stroke 50"

of bearings, adjacent to the Crank, measured from inner edge to inner edge

36 1/2"

Is there a bearing between each crank

Yes

ations per minute

90

Flywheel dia.

4-6 3/4"

Weight

9.1 tons

Means of ignition

by compression

in cylinder

Kind of fuel used Heavy oil

Shaft, dia. of journals

as per Rule 16.9"

as fitted 17 1/2"

Crank pin dia.

17 1/2"

Crank Webs

Mid. length breadth

35 1/2"

Mid. length thickness

11 3/8"

heel Shafts, diameter

as per Rule 16.9"

as fitted 17 1/2"

Intermediate Shafts, diameter

as per Rule 13.75"

as fitted 14"

Thrust Shaft, diameter at collars

as per Rule 14.45"

as fitted 14 1/4"

Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule 15.14"

as fitted 15 1/2"

Is the

shaft fitted with a continuous liner

Yes

ze Liners, thickness in way of bushes

as per Rule 7.75"

as fitted 7.5"

Thickness between bushes

as per rule 5.625"

as fitted 5.5"

Is the after end of the liner made watertight in the

Yes

Yes

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

One length

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

the tube shaft

No

Length of Bearing in Stern Bush next to and supporting propeller

5-1"

eller, dia.

16-9"

Pitch

14-6"

No. of blades

4

Material

whether Moveable

Yes

Total Developed Surface

84 5/8 sq. feet

od of reversing Engines and propeller Is a governor or other arrangement fitted to prevent racing of the engine when declutched

Yes

Means of lubrication

fect

Thickness of cylinder liners

1 1/8"

Are the cylinders fitted with safety valves

Yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

Yes

Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Yes

ag Water Pumps, No.

4

Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Yes

Pumps fitted to the Main Engines, No.

2

Diameter

3 3/4"

Stroke

30"

Can one be overhauled while the other is at work

Yes

is connected to the Main Bilge Line

No. and Size

one 10" x 12" x 10"

How driven

steam

also main engine bilge pumps

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

1-10" x 12" x 10"

Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge

1 separate motor driven bilge pump 6-6"

1 spare motor driven bilge pump 6-6"

st Pump, No. and size

1-10" x 12" x 10"

Are independent means arranged for circulating water through the Oil Cooler

Yes

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s, No. and size:—In Engine and Boiler Room

2-3 1/2"

3-2 1/2"

2-3" In fore hold

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lds, &c.

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

one 10" x 12" x 10"

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ll the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes

Yes

Are the Bilge Suctions in the Machinery Space

Yes

Are they fitted with Valves or Cocks

Both

Are the Overboard Discharges above or below the deep water line

Above

Are the Blow Off Cocks fitted with a spigot and brass covering plate

Yes

How are they protected

ey fixed sufficiently high on the ship's side to be seen without lifting the

platform

plates

Yes

Are the Blow Off Cocks fitted with a spigot and brass covering plate

Yes

How are they protected

None

Have they been tested as per Rule

Yes

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

ey each fitted with a Discharge Valve always accessible on the plating of the vessel

Yes

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Pipes

