

REPORT ON OIL ENGINE MACHINERY.

No. 5028

Received at London Office 12 JAN 1949

Writing Report 25th Oct. 1948 When handed in at Local Office 25th Oct. 1948 Port of Galveston, Texas

Survey held at Galveston, Texas Date, First Survey 26th April Last Survey 20th August, 1948 Number of Visits 7

Book. 96 on the Twin Triple Screw vessel M/V "JOBURE" Tons Gross Net

Built at Galveston, Texas By whom built Todd Shipyards Corporation Yard No. When built 1948

Engines made at Cleveland, Ohio By whom made General Motors Engine No. 50388 Port When made 1944

Boilers made at None By whom made - Boiler No. - When made -

Horse Power 610 x 2 Owners The Texas Company Port belonging to Guirra

Horse Power as per Rule 361 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

For which Vessel is intended Petroleum in Bulk

ENGINES, &c.—Type of Engines Cleveland (Diesel) 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 900 lbs. full load Diameter of cylinders 8 3/4 Length of stroke 10 1/2 No. of cylinders 12 No. of cranks 6

Indicated Pressure 95 lbs. per sq. in. 16 3/4 12 1/2 Is there a bearing between each crank Yes

Revolutions per minute 550 Flywheel dia. 35 Weight 1560 lbs. Means of ignition Compression Kind of fuel used Diesel

Crank pin dia. 6.2495 Crank Webs Mid length breadth 9 Thickness parallel to axis 2 1/2

Crank pin dia. 6.2495 Crank Webs Mid length thickness 2 1/2 Thickness around eyehole 2 1/2

Intermediate Shafts, diameter as fitted 5.99 Thrust Shaft, diameter at collars as fitted 6 1/8

Screw Shaft, diameter as fitted 6.125 Is the shaft fitted with a continuous liner No

Liners, thickness in way of bushes as fitted None Thickness between bushes 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 No

If 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-corrosive No

If so, state type U. S. Navy Standard Length of Bearing in Stern Bush next to and supporting propeller 2'-8 1/2

Pitch 4.583 No. of blades 4 Material Bronze whether Moveable Solid Total Developed Surface 16.5 sq. feet

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

Thickness of cylinder liners 5/8 Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with

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

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

Pumps worked from the Main Engines, No. 2 - 1 fresh, 1 salt 300 gallons/min. 33 lbs. per sq. in.

Can one be overhauled while the other is at work

No. and Size 1 - 6" 1 - 4" & 1 - 6" in forward pump room

How driven Motor

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

1 - 125 GPM

2 - size 6" 1500 GPM Power Driven Lubricating Oil Pumps including Spare Pump, No. and size 2 - 75 GPM attached

2 - 20 GPM

Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge

In Pump Room

2 - 3" & 1 - 4"

Are the Bilge Suctions in the Machinery Spaces

Yes

Are they fitted with Valves or Cocks Valves

Are the Overboard Discharges above or below the deep water line Below

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

How are they protected

Have they been tested as per Rule

Yes

Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Engine Room

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No. of Stages 2 Diameters 4" x 1 1/2 Stroke 3 1/2 Driven by Elect. Motor

No. of Stages 2 Diameters 4" x 2 1/2 Stroke 3 1/2 Driven by Elect. Motor

No. of Stages Diameters Stroke Driven by

Aux. Generator Battery started

Rotary Type Diameter Stroke Driven by Attached

After end of engine room generator

Position platform

Is a report sent herewith Yes

014513-014530-0457

