

REPORT ON OIL ENGINE MACHINERY.

No. 21164

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Port of HAMBURG

No. in Survey held at NEMEL & HAMBURG

Date, First Survey 9th Dec. 1930

Last Survey 10th May 1934

Single
Twin
Triple
Quadruple
Screw vessel

"CARIPITENO"

Tons { Gross 475
Net 225

built at NEMEL

By whom built SCHIFFSWERFT NEMEL LINDENAU Yard No. 53

When built

engines made at WINTERTHUR

By whom made MESSRS SULZER BROS.

Engine No. 10973

When made 1930

Boilers made at

By whom made

Boiler No.

When made

Indicated Horse Power 600

Owners STANDARD OIL CO. OF VENEZUELA Port belonging to CRISTOBAL COLON

Consumption Horse Power as per Rule 212

Is Refrigerating Machinery fitted for cargo purposes no

Is Electric Light fitted yes

Trade for which vessel is intended

COASTING SERVICE

ENGINES, &c. Type of Engines

Sulzer Sixes Inj. Oil Engine 2 or 4 stroke cycle 2 Single or double acting single

Maximum pressure in cylinders

600 lb. sq. in.

Diameter of cylinders

360 in.

Length of stroke

460 in.

No. of cylinders

6

No. of cranks

6

Distance between bearings, adjacent to the Crank, measured from inner edge to inner edge

386 in.

Is there a bearing between each crank yes

Revolutions per minute

300

Flywheel dia.

100 in.

Weight

440 tons

Means of ignition ^{Temperature Rise} Kind of fuel used heavy fuel oil.

Crank Shaft, dia. of journals

as per Rule 191.3 in.

as fitted 200 in.

Crank pin dia.

200 in.

Crank Webs

Mid. length breadth 300 in.

Thickness parallel to axis

shrink

Propeller Shaft, diameter

as per Rule 191.3 in.

as fitted 220 in.

Intermediate Shafts, diameter

as per Rule approved

as fitted 120 in.

Thrust Shaft, diameter at collars

as per Rule 191.3 in.

as fitted 220 in.

Propeller Shaft, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule

as fitted 150 in.

Is the screw shaft fitted with a continuous liner

no

Brass Liners, thickness in way of bushes

as per Rule

as fitted 15 in.

Thickness between bushes

as fitted

Is the after end of the liner made watertight in the

Propeller boss

yes

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

Does the liner do 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

Is an approved Oil Gland or other appliance fitted at the after end of the tube

When two liners are fitted, is the shaft lapped or protected between the liners

no

Length of Bearing in Stern Bush next to and supporting propeller 720 in.

Propeller, dia.

1900 in.

Pitch

1580 in.

No. of blades

3

Material

bronze

whether Moveable

no

Total Developed Surface 1.2 m²

Method of reversing Engines

direct

Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes

Are the cylinders fitted with safety valves

yes

Are the exhaust pipes and silencers water cooled or lagged with

Insulating 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

Bilge Water Pumps, No.

2

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

yes

Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No.

1

Diameter

95 in.

Stroke

160 in.

Are the cylinders fitted with safety valves

Bilge Pumps connected to the Main Bilge Line

No. and size

2 - 10.5 in. dia. 160 in. stroke

How driven

3 main engine

Are the exhaust pipes and silencers water cooled or lagged with

insulating material

yes

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

yes

Bilge Pumps, No. and size

1 - rotary type - 20 tons per hour

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

1 - rotary type - 20 tons per hour

Are the cylinders fitted with safety valves

yes

Are the exhaust pipes and silencers water cooled or lagged with

insulating material

yes

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

yes

Oil Coolers, No. and size

2 - of 64 in. inside diam.

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

above

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

yes

How are they protected

Are they 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

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

yes

How are they protected

Do all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-bones

yes

Have they been tested as per Rule

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

yes

Is 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 compartment to another

yes

Is the Shaft Tunnel watertight

yes

Is it fitted with a watertight door

no

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

no

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How are they protected

(hot stock is blanked off)

Have they been tested as per Rule

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