

# REPORT ON OIL ENGINE MACHINERY.

No. 9502.

Received at London Office

24 DEC 1934

10/12 34

When handed in at Local Office

10

Port of

Copenhagen

Survey held at

Copenhagen & Odense

Date, First Survey

11/4 1934

Last Survey

4/12

1934

g. Book.

Number of Visits

46

7163 on the <sup>Single</sup> ~~Twin~~ <sup>TANK</sup> ~~Triple~~ <sup>Screw</sup> ~~Quadruple~~ vessel

"EUROPE"

Tons { Gross 8371.00  
Net 5133.65

uilt at

Odense

By whom built

Odense Haabkildsværft

Yard No. 53

When built

1934

Engines made at

Copenhagen

By whom made

% Burmeister & Wain

Engine No. 2273

When made

1934

Boilers made at

Odense

By whom made

% Helsingørsk Jernstøberi & Maskinfabrik

Boilers No. 862-3

When made

1934

ake Horse Power

3150

Owners

The Texas Co. (Norway) %

Port belonging to

Oslo

m. Horse Power as per Rule

487

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

yes

ade for which vessel is intended Ocean trade, oil carrier.

ENGINES, &c.—Type of Engines <sup>Vertical</sup> ~~Horizontal~~ <sup>Double</sup> ~~Single~~ <sup>stroke</sup> ~~cycle~~ <sup>4</sup> ~~2~~ or 4 stroke cycle <sup>4</sup> ~~2~~ Single or double acting <sup>single</sup> ~~double~~

imum pressure in cylinders

49 kg/cm<sup>2</sup>

Diameter of cylinders

740 mm

Length of stroke

1500 mm

No. of cylinders

6

No. of cranks

6

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

990 mm

Is there a bearing between each crank

yes

utions per minute

105

TURN.

Flywheel dia.

2140 mm

Weight

7300 kg

Means of ignition

compression

Kind of fuel used

crude oil

nk Shaft, dia. of journals

as per Rule 486 mm

as fitted 525 mm

Crank pin dia.

525 mm

Crank Webs

Mid. length breadth

850 mm

Thickness parallel to axis

310 mm

Wheel Shaft, diameter

as per Rule

as fitted

Intermediate Shafts, diameter

as per Rule

as fitted

Thrust Shaft, diameter at collars

as per Rule

as fitted

e Shaft, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule

as fitted

Is the

tube

screw

shaft fitted with a continuous liner

yes

ize Liners, thickness in way of bushes

as per Rule

as fitted

0.74"

Thickness between bushes

as per rule

as fitted

0.56"

Is the after end of the liner made watertight in the

yes

ller boss

yes

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

e 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

yes

o liners are fitted, is the shaft lapped or protected between the liners

yes

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

yes

If so, state type

yes

Length of Bearing in Stern Bush next to and supporting propeller

5'-6"

eller, dia.

16'-6"

Pitch

11'-6"

No. of blades

4

Material

bronze

whether Moveable

No

Total Developed Surface

86 sq. feet

od of reversing Engines

direct reversible

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

yes

Means of lubrication

Thickness of cylinder liners

53.5 mm

Are the cylinders fitted with safety valves

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

nducting material

lagged

yes

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

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

ing Water Pumps, No.

1 OFF 95 1/4 IN DUPL. TRUNK PISTON

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

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

Pumps worked from the Main Engines, No.

1

Diameter

165 mm

Stroke

230 mm

Can one be overhauled while the other is at work

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

ps connected to the Main Bilge Line

No. and Size

1 OFF 9" x 10 1/4" x 10" DUPL.

How driven

BY STEAM

BY STEAM

BY MAIN ENGINE

23 ton/hr

cooling water led to the bilges

No

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

ements

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

st Pumps, No. and size

2 OFF 9" x 10 1/4" x 10" DUPL.

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

1 OFF 95 1/4 IN DUPL. TRUNK PISTON P.

DRIVEN BY MAIN ENGINE

1 OFF 150 x 200 x 150 1/2 IN DUPL. STEAM OR

FORWARD: 1 OFF 3"

In Pump Room: 1 OFF 4", 2 OFF 3"

yes

o independent means arranged for circulating water through the Oil Cooler

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

s, No. and size:—In Machinery Spaces

2 OFF 3 1/2", 2 OFF 3"

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

lds, &c. FORWARD: 2 OFF 3", COFFERDAMS: AFT: 1 OFF 6", FORWARD: 1 OFF 4"

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

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

2 OFF 5", 1 OFF 4"

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

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

yes

Are the Bilge Suctions in the Machinery Spaces

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

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

yes

Are the Bilge Suctions in the Machinery Spaces

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

yes

Are the exhaust pipes and silencers water cooled or lagged with

lagged

what means are arranged to prevent water from being syphoned back to the engine

led to funnel

l Sea Connections fitted direct on the skin of the ship

yes

Are they fitted with



The amount of Entry Fee .. £ 112.00 : When applied for, 20.12.1934

Special ... .. £ 2196.32 :

FITTING OF Donkey Boilers, ETC... £ 300.00 : When received 13.2.16 12.35 4/1

Travelling Expenses (if any) £ 499.50 : 18.46.66 12.2.35 4/1

LATE FEES - - - - - 60.00 : 13/2

Committee's Minute TUE. 1 JAN 1935

Assigned + Linc. 12.34 oil line of 200-180 lb

IN THE FORWARD PUMP ROOM:

1 Ballast & bilge pump, 150° 150' 150" 7/8 duplex.

1 Oil fuel transfer pump, 150° 150' 150" 7/8 duplex.

5m. 0.34.

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Copenhagen.

MOTOR TANKER "EUROPE"IN EACH OF THE 2 MAIN PUMP ROOMS:

- 1 Cargo oil pump, 14" x 12" x 18" duplex (Hayward, Tyler & Co. Ltd.)  
 1 " " " 12" x 10" x 24" - " - " - "  
 1 Bilge pump, 150 x 200 x 150 mm duplex (Görka).

ON DECK:

- 1 steam windlass (Clark, Chapman & Co. Ltd.)  
 1 steam steering gear (2-cyl., Deutsche Werke, Kiel, 9/6)  
 2 cargo winches & 1 hauling winch.

Chieff.

THE FOREGOING IS A CORRECT DESCRIPTION.

PR. ODENSE STAALSKIBSVÆRFT  
VED A. P. MØLLER

John Møller Møller



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