

# YACHT!

## REPORT ON OIL ENGINE MACHINERY.

 15740  
 No. 45441  
 30 JUN 1926

Received at London Office

Date of writing Report

26 June 1926

When handed in at Local Office

28.6.26

Port of Glasgow

No. in Survey held at

Glasgow

Date, First Survey

9-2-26

Last Survey

19.6.1926

Reg. Book.

 Single  
 on the Twin  
 Triple

Screw

MOTOR YACHT. 'MINGARY'

Tons

Gross 223

Net 102

Built at

Glasgow

By whom built

Alexander Stephens &amp; Son Ltd

Card No. 511

When built 1926

Engines made at

Winterthur

By whom made

Sulzer Bros.

Engine No. 4082

When made 1926

Donkey Boilers made at

Home

By whom made

-

Boiler No. -

When made -

Brake Horse Power 450 Total

Owner: Kenneth W. Clark.

Port belonging to Glasgow.

Nom. Horse Power as per Rule 28.5

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes.

OIL ENGINES, &amp;c.—Type of Engines

See Winterthur Rpt. No 68.

2 or 4 stroke cycle

Single or double acting

Maximum pressure in cylinders

No. of cylinders

Diameter of cylinders

No. of cranks

Length of stroke

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

Is there a bearing between each crank

Revolutions per minute 300

Flywheel dia.

Weight

Means of ignition

Kind of fuel used

Crank Shaft, dia. of journals

as per Rule

Crank pin dia.

Crank Webs

Mid. length breadth

Thickness parallel to axis

Flywheel Shafts, diameter

as per Rule

Intermediate Shafts, diameter

as per Rule

Thrust Shaft, diameter at collars

as per Rule

Screw Shafts, diameter

as per Rule

Screw Shaft, diameter

as per Rule

Is the

tube

screw

shaft fitted with a continuous liner

Copper Liners, thickness in way of bushes

as per Rule

as fitted

Thickness between bushes

as per rule

Is the after end of the liner made watertight in the

Propeller boss

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

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

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

of the tube shaft

Length of Bearing in Stern Bush next to and supporting propeller

22 3/4

Propeller, dia.

Pitch 5'-0"

No. of blades 3

Material Bronze

whether Moveable

No

Total Developed Surface 8.0 sq. feet

Method of reversing Engines Cam

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

Means of lubrication

Thickness of cylinder liners

Are the cylinders fitted with safety valves

Are the exhaust pipes and silencers water cooled or lagged with

conducting material

Sling Water Pumps, No. 2

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

Pumps fitted to the Main Engines, No. 2

Diameter 12 5/8

Stroke 50

Can one be overhauled while the other is at work

Pumps connected to the Main Bilge Line

No. and Size

1 Rotary 2400 gals/hour Bilge, 1 Rotary 1000 gals/hour Fire.

How driven

Electric Motor

Last Pumps, No. and size

None

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 Engine and Bilge Room 3 - 2 1/4 Bore

Folds, &amp;c.

Forward Suction 2 - 2 1/4 After Suction 1 - 2 1/4 Bore

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

3 - 2 1/4 Bore

All the Bilge Suction pipes in Holds and Turret Well fitted with strum-boxes

Are the Bilge Suctions in the Machinery Space

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

Both

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

Tail pipes pass through the bunkers

How are they protected

Tail 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

compartment to another

Is the Shaft Tunnel watertight

Is it fitted with a watertight door

worked from

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

Air Compressors, No.

No. of stages

Diameters

Stroke

Driven by

Auxiliary Air Compressors, No. 1

No. of stages

Diameters

Stroke

Driven by

Auxiliary Air Compressors, No. None

No. of stages

Diameters

Stroke

Driven by

Suctioning Air Pumps, No.

Diameter

Stroke

Driven by

Auxiliary Engines crank shafts, diameter

as per Rule

as fitted

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

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

Pressure Air Receivers, No. None

Cubic capacity of each

Internal diameter

thickness

Joints, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

Suctioning Air Receivers, No. 5

Total cubic capacity

Internal diameter

thickness

Joints, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

W315-0051

