

REPORT ON OIL ENGINE MACHINERY

No. 15681A

Received at London Office JUN 8 1939

of writing Report 2 June 1939 When handed in at Local Office 19 Port of Amsterdam
in Survey held at Amsterdam Date, First Survey 10 Sept 1938 Last Survey 23 May 1939
Book. Number of Visits 72
166 on the Single } Screw vessel M.V. SCOTTISH MAIDEN " Tons { Gross 699 3
Twin }
Triple }
Quadruple }
It at Barrow By whom built Vickers Ltd Yard No. When built 1921
ines made at Amsterdam By whom made N.V. Werkspoor Engine No 751/When made 1939
key Boiler made at Amsterdam By whom made N.V. Werkspoor Boiler No. 2857/When made 1939
Ice Horse Power 2 X 1250. Owners Tankers Ltd Port belonging to London
a. Horse Power as per Rule 446 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
de for which vessel is intended Ocean trade

ENGINES, &c.—Type of Engines Supercharge Werkspoor 2 or 4 stroke cycle 4 Single or double acting Single
num pressure in cylinders 700/435 Diameter of cylinders 500 mm Length of stroke 1100 mm No. of cylinders 6 No. of cranks 6
Indicated Pressure 130/435
of bearings, adjacent to the Crank, measured from inner edge to inner edge 640 mm Is there a bearing between each crank yes
tions per minute 120 Flywheel dia. 1930 mm Weight 3500 mm Means of ignition solidinj Kind of fuel used Diesel oil
ft, { Solid forged dia. of journals as per Rule approved Crank pin dia. 350 mm Crank Webs Mid. length breadth 600 Thickness parallel to axis -
Semi built as fitted 350 mm Mid. length thickness 220 shrunk Thickness around eyehole -
All built
eel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule approved Thrust Shaft, diameter at collars as per Rule approved
as fitted 300/350 as fitted 300 mm as fitted 300 mm
Shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the { screw } shaft fitted with a continuous liner { no
as fitted - as fitted 382 mm
Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the
as fitted - as fitted -
boss yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner -
ner 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 end of the tube
yes If so, state type Cederwall Length of Bearing in Stern Bush next to and supporting propeller existing
er, dia. 12 3/8" Pitch 11.3" No. of blades 3 Material Bronze whether Moveable no Total Developed Surface 44.06 sq. feet
of reversing Engines by air Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication
ced Thickness of cylinder liners 32.5/42.5 Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with
acting material lagged If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine funnel
Water Pumps, No. One rotary each engine Is the sea suction provided with an efficient strainer which can be cleared within the vessel
umps worked from the Main Engines, No. One rotary each engine 30 lpm/hour Can one be overhauled while the other is at work yes
connected to the Main Bilge Line { No. and Size
How driven
ling 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
nts -
Pumps, No. and size existing Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size One each engine 60 lpm/hour
one existing steam pump.
dependent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
o. and size:—In Machinery Spaces Existing In Pump Room
&c. do
lent Power Pump Direct Suctions to the Engine Room Bilges, No. and size Existing
e Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes yes Are the Bilge Suctions in the Machinery Spaces
asily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yes
a Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks Valves & cocks existing
ed 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 -
h 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 -
pass through the bunkers - How are they protected -
pass through the deep tanks - Have they been tested as per Rule -
es, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times -
gement 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
to another yes Is the Shaft Tunnel watertight none Is it fitted with a watertight door - worked from -
essel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
Compressors, No. No. of stages Diameters Stroke Driven by
Air Compressors, No. existing No. of stages - Diameters - Stroke - Driven by -
Auxiliary Air Compressors, No. - No. of stages - Diameters - Stroke - Driven by -
ision is made for first Charging the Air Receivers Compressors connected to steam engines
recharge
ag Air Pumps, No. one each bottom of cyl Diameter 500 Stroke 1100 Driven by Main engine
Engines crank shafts, diameter as per Rule as fitted existing Position
Auxiliary Engines been constructed under special survey Is a report sent herewith -

© 2021

Lloyd's Register
Foundation

W81-0024

Area
27/6/39

