

REPORT ON OIL ENGINE MACHINERY.

No. 11747.

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of writing Report 13th July 1945 When handed in at Local Office 19 Port of Copenhagen
 in Survey held at Copenhagen and Odense Date, First Survey 26th October 1940 Last Survey 9th July 1945
 Book. Number of visits 65.
 on the Single Motor NOTOR HENNING MÆRSK Tons Gross 10105.79
Triple Screw vessel Net 6116.71
Quadruple
 at Odense By whom built Odense Skibskonstruktørs Yard No. 97 When built 1945
 Lines made at Copenhagen By whom made Al. Bernerichsen & Wain's Engine No. 3521 When made 1941
key Boilers made at Copenhagen By whom made Al. Bernerichsen & Wain's Boiler No. 1984 When made 1942
ke Horse Power 4620 Owners Dampskibsselskabet Port belonging to Fredensborg
n. Horse Power as per Rule 654 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted yes
de for which vessel is intended Carrying petroleum in bulk

ENGINES, &c.—Type of Engines Heavy oil, crosshead type, solid injected or 4 stroke cycle 4 Single or double acting single
 Minimum pressure in cylinders 49 kg/cm² Diameter of cylinders 740 1/4 Length of stroke 1500 1/4 No. of cylinders 8 No. of cranks 8
 Indicated Pressure 8.55 kg/cm² Is there a bearing between each crank yes
 Revolutions per minute 115 TURNING 60 1/2 4000 kg/m² BRASS 60 1/2 4000 kg/m² Means of ignition Compression Kind of fuel used heavy oil F.P. 150
 dia. of journals as per Rule 500.3 1/4 Crank pin dia. 525 1/4 Crank Webs Mid. length breadth 1000 1/4 Thickness parallel to axis 310 1/4
 All built as fitted 525 1/4 CENT. HOLE 185 1/4 Mid. length thickness 300 1/2 - 310 1/4 Thickness around eye hole 282.5 1/4
 Wheel Shaft, diameter as per Rule 364 1/4 Thrust Shaft, diameter at collars as per Rule 382 1/4
 as fitted 370 1/4 as fitted 400 1/4
 e Shaft, diameter as per Rule 402 1/4 Is the screw shaft fitted with a continuous liner yes
 as fitted 408 1/4
 size Liners, thickness in way of bushes as per Rule 19.9 1/4 as per Rule 14.9 1/4
 as fitted 21.5 1/4 as fitted 16.0 1/4 Is the after end of the liner made watertight in the
 after boss yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner liner in one length
 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 ✓
 two 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
No If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 1650 1/4
 peller, dia. 5330 1/2 Pitch 3710 1/4 No. of blades 4 Material Cr. steel whether Movable No Total Developed Surface 10.66 sq. ft.
 Method of reversing Engines direct reversible Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication
red Thickness of cylinder liners 53.5 1/4 Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with
 conducting 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 back to pump
 1 off 190 1/2 H.
 iling Water Pumps, No. 1 - 165 - Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes
 ge Pumps worked from the Main Engines, No. 1 Diameter 2 x 165 1/4 Stroke 230 1/4 Can one be overhauled while the other is at work ✓
 ps connected to the Main Bilge Line No. and Size 1 off ballast p. 165 1/2 H. - 1 off bilge p. 30 1/2 H. - 1 off bilge p. 23 1/2 H.
 How driven steam steam main engine
 he 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
 ngements 1 off 165 1/2 H. under room 1 off 190 1/2 H.
 last Pumps, No. and size 30 - for pump, room Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 1 - 165 -
 two independent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
 ps, No. and size:—In Machinery Spaces 6 off 3 1/2" - 1 off 3" - 1 off 4" - 1 off 6" In Pump Room 1 off 4" - 1 off 3" - 1 off 1 1/2"
 lds, &c. 2 off 3"
 ependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 off 6" ballast pump - 1 off 4" bilge pump
 all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-bones yes Are the Bilge Suctions in the Machinery Spaces
 from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yes
 all Sea Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks Valves except boiler blow off
 they fixed sufficiently high on the ship's side to be seen without lifting the platform plates yes Are the Overboard Discharges above or below the deep water line above
 they each fitted with a Discharge Valve always accessible on the plating of the vessel yes Are the Blow Off Cocks fitted with a spigot and brass covering plate yes
 t pipes pass through the bunkers None How are they protected ✓
 t pipes pass through the deep tanks None 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 yes
 re 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
 partment to another yes Is the Shaft Tunnel watertight None 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 ✓
 n Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
 VOLUME 2 No. of stages 2 Diameters 2 x 160 1/4 - 1 x 100 1/4 Stroke 750 1/2 Driven by steam
 Auxiliary Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
 provision is made for first Charging the Air Receivers The steam driven air compressors
 RECHARGING BLOWER 2 off CAPACITY 2 x 1094 1/4 HIN Driven by main engine
 Charging Air Pumps No. 2 off Position in engine room in room for steering gear
 Auxiliary Engines crank shafts, diameter as per Rule 1 off (steam) - 1 off motor - 1 off motor
 as fitted ✓ Is a report sent herewith No

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