

REPORT ON OIL ENGINE MACHINERY.

No. 5-5 FEB 54

Date of writing Report 16.1.54 When handed in at Local Office 19.54 Port of GRONINGEN
 No. in Survey held at FOXHOL Date, First Survey 14.1.53 Last Survey 1.1.54
 Reg. Book. Single on the Twin Screw vessel MY "INTAN" Number of Visits 15
 Built at FOXHOL By whom built N.V. FERUS SMIT Yard No. 116 When built 1954
 Engines made at AMSTERDAM By whom made N.V. "WERKSPOR" Engine No. 1479 When made 1953
 Key Boilers made at ✓ By whom made ✓ Boiler No. ✓ When made ✓
 Brake Horse Power 500 Owners Republik Indonesia Port belonging to DJAKARTA
 N. Power as per Rule 100 Is Refrigerating Machinery fitted for cargo purposes NO Is Electric Light fitted YES
 Made for which vessel is intended OCEAN TRADE

L ENGINES, &c. —Type of Engines ✓ 2 or 4 stroke cycle ✓ Single or double acting ✓
 Maximum pressure in cylinders ✓ Diameter of cylinders 12" Length of stroke ✓ No. of cylinders ✓ No. of cranks ✓
 Mean Indicated Pressure ✓ Ahead Firing Order 1 2 3 4 in Cylinders ✓ Span of bearings, adjacent to the crank, measured
 from inner edge to inner edge ✓ Is there a bearing between each crank ✓ Revolutions per minute ✓
 Flywheel dia. ✓ Weight ✓ Moment of inertia of flywheel (lbs. in² or Kg. cm.²) ✓ Means of ignition ✓ Kind of fuel used ✓
 Crank pin dia. ✓ Crank webs ✓ Mid. length breadth ✓ Thickness parallel to axis ✓
 Mid. length thickness ✓ Thickness around eyehole ✓
 Wheel Shaft, diameter ✓ Intermediate Shafts, diameter ✓ Thrust Shaft, diameter at collars ✓
 Main Shaft, diameter ✓ Screw Shaft, diameter ✓ Is the tube shaft fitted with a continuous liner NO
 Liners, thickness in way of bushes ✓ Thickness between bushes ✓ 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 ✓
 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 ✓ If 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 tube shaft YES If so, state type KAN DIAM Length of bearing in Stern Bush next to and supporting propeller 800
 Propeller, dia. 1840 Pitch 1110 No. of blades 4 Material BRONZE whether moveable SOLID Total developed surface 46.2 sq. feet
 Moment of inertia of propeller (lbs. in² or Kg. cm.²) 259 Kind of damper, if fitted ✓
 Method of reversing Engines ✓ Is a governor or other arrangement fitted to prevent racing of the engine when declutched ✓ Means of
 indication ✓ Thickness of cylinder liners ✓ Are the cylinders fitted with safety valves ✓ Are the exhaust pipes and silencers water cooled
 lagged with non-conducting material ✓ If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned
 to the engine ✓ Cooling Water Pumps, No. 1FW(ME) + 1SW(ME) + 1FW(ELECT) + 2 BALLAST Is the sea suction provided with an efficient strainer which can be cleared within the vessel YES
 Pumps worked from the Main Engines, No. ✓ Diameter ✓ Stroke ✓ Can one be overhauled while the other is at work ✓
 Pumps connected to the Main Bilge Line ✓ No. and size 2 @ 3.5 TH & 1 EMERGENCY BILGE PUMP @ 3.5 TH
 How driven AUX ENG ELECT.
 Is 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
 arrangements ✓
 Main Pumps, No. and size 2 @ 3.5 TH Power Driven Lubricating Oil Pumps, including spare pump, No. and size 1 @ 4 1/2 TH + 1 @ 6 TH
 Are two independent means arranged for circulating water through the Oil Cooler YES ✓ Suctions, connected to both main bilge pumps and auxiliary
 pumps, No. and size: —In machinery spaces 1 @ 3" ✓ In pump room ✓
 Pumps, &c. 6 @ 2 1/2" ✓
 Independent Power Pump Direct Suctions to the engine room bilges, No. and size 2 @ 3" ✓
 Are all the bilge suction pipes in holds and tunnel well fitted with strum-boxes YES ✓ Are the bilge suction in the machinery spaces led from easily
 accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges YES ✓
 Are all Sea Connections fitted direct on the skin of the Ship EM. CHESTS Are they fitted with valves or cocks VALVES ✓ Are 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
 Are 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 ✓
 Do pipes pass through the bunkers ✓ How are they protected ✓
 Do pipes pass through the deep tanks BALLAST PIPES TO FOREPEAK & NO. 1, 2, 3 DEB. TANKS ✓ Have they been tested as per Rule YES ✓
 Are all pipes, cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times YES ✓
 Is 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 NO ✓ Is it fitted with a watertight door ✓ worked from ✓
 Is the 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 2 diameters 9.5/11.0 stroke 85 driven by AUX ENG
 Auxiliary Air Compressors, No. 1 ✓ No. of stages 2 diameters 7.5/8.5 stroke 70 driven by AUX ENG
 Is provision made for first charging the air receivers HAND STARTED AUX ENGINES ✓
 Suctioning Air Pumps, No. ✓ diameter ✓ stroke ✓ driven by ✓
 Auxiliary Engines crank shafts, diameter ✓ as per Rule ARMHAUT 130MM / 130MM No. STBD & PORT Position BOAT DECK
 Have the auxiliary engines been constructed under special survey YES AMS FE REP 1886/1891 Is a report sent herewith NO
 AND AMS. CERT. DATED 23-2-53

15/2/54

