

Completion of Amsterdam Rpt 46 No. 18786
REPORT ON OIL ENGINE MACHINERY.

No. 19991

st. 4b.

of writing Report Aug 12 1953 When handed in at Local Office

Received at London Office 25 SEP 1953

Survey held at Spaarndam Port of AMSTERDAM

Date, First Survey January 30 Last Survey Aug 11 1953
Number of Visits 7

Single on the Twin Triple Quadruple Screw vessel "BOGA"
Tons Gross 195 Net

By whom built Soheysma's Shipyard
By whom made Werkspun N.V.

Yard No. 26 When built 1953
Engine No. 1461 When made 1953

Boiler No. When made
Port belonging to Djakarta
Is Refrigerating Machinery fitted for cargo purposes NO
Is Electric Light fitted yes

ENGINE, &c. —Type of Engines TMAS 276

2 or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders Diameter of cylinders 270mm Length of stroke 500mm No. of cylinders 6 No. of cranks

Indicated Pressure Ahead Firing Order in Cylinders Span of bearings, adjacent to the crank, measured

inner edge to inner edge Is there a bearing between each crank Revolutions per minute

Wheel dia. Weight Moment of inertia of flywheel (lbs. in² or Kg.cm.²) Means of ignition Kind of fuel used

Solid forged dia. of journals as per Rule Crank pin dia. Crank webs Mid. length breadth Mid. length thickness shrunk Thickness parallel to axis Thickness around eyehole

Wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule

Shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the tube screw shaft fitted with a continuous liner yes

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

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

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-

ve 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

tube shaft If so, state type Length of bearing in Stern Bush next to and supporting propeller 786mm

er, dia 151mm Pitch 1195mm No. of blades 4 Material Bronze whether moveable NO Total developed surface 63.1% in fact

of inertia of propeller (lbs. in² or Kg.cm.²) Kind of damper, if fitted

of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched Means of

ion Thickness of cylinder liners Are the cylinders fitted with safety valves Are the exhaust pipes and silencers water cooled

with non-conducting material yes If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned

the engine Cooling Water Pumps, No 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

connected to the Main Bilge Line No. and size 1 elect driven worm wheel pump type Houthuizen cap 30 m³/hr at 15 m bar

How driven pressure + 1 hand pump cap 30 ltr/min (above in eng room)

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

ents

pumps, No. and size Power Driven Lubricating Oil Pumps, including spare pump, No. and size

independent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both main bilge pumps and auxiliary

ps, No. and size:—In machinery spaces 2 of 89mm + 2 of 57mm In pump room

&c. 5 of 57mm (2 aft - 3 fore)

ent Power Pump Direct Suctions to the engine room bilges, No. and size 1 of 89mm

bilge suction pipes in holds and tunnel well fitted with strum-boxes yes Are the bilge suction in the machinery spaces led from easily

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

Connections fitted direct on the skin of the Ship yes Are they fitted with valves or cocks valves

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

ch 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

pass through the bunkers NO pipes How are they protected

s 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 yes

pingement 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

from one compartment to another yes Is the shaft tunnel watertight 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. 1 No. of stages 2 diameters 95-110mm stroke 85mm driven by aux eng

liary Air Compressors, No. No. of stages diameters stroke driven by

sion is made for first charging the air receivers Aux engine is started by hand

Air Pumps, No. diameter stroke driven by

engines crank shafts, diameter as per Rule No. 13027 driven by

as fitted Position S.S. Is a report sent herewith See Rpt 46 Amsterdam 18861

auxiliary engines been constructed under special survey yes

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