

Auxiliary REPORT ON OIL ENGINE MACHINERY.

No. 8405

-5 JAN 1931

Received at London Office

of writing Report

When handed in at Local Office

Port of Copenhagen

Date, First Survey 30/4

Last Survey 21/12 1930

Number of Visits 17

in Survey held at Holby & Nakskov

Book. 76/ on the Single Triple Quadruple Screw vessel

"India"

Tons { Gross 9549.15
Net 6030.63

at Nakskov

By whom built Nakskov Skibvaest. Yard No. 39 When built 1930.

ines made at Holby

By whom made Holby Dieselmotor Fabrik Engines No. 327 328 329 When made 1930

key Boilers made at Holby

By whom made Holby Boiler No. 329 When made 1930

ke Horse Power 3 x 135

Owners Det Ostasiatisk Kompagni Port belonging to Copenhagen

n. Horse Power as per Rule 3 x 135

Is Refrigerating Machinery fitted for cargo purposes yes.

Is Electric Light fitted yes.

de for which vessel is intended Ocean trade, general cargo.

ENGINES, &c. Type of Engines 4 S. C. S. A. Diesel, trunk, air injec. 2 or 4 stroke cycle Single or double acting single

imum pressure in cylinders 35 kg/cm² Diameter of cylinders 310 mm. Length of stroke 350 mm. No. of cylinders 3. No. of cranks 3.

of bearings, adjacent to the Crank, measured from inner edge to inner edge 360 mm. Is there a bearing between each crank yes.

olutions per minute 360 Flywheel dia. 1240 mm. Weight 2650 kg. Means of ignition compression Kind of fuel used ord. Diesel oil.

ank Shaft, dia. of journals as per Rule 162 mm. Crank pin dia. 170 mm. Crank Webs Mid. length breadth 355 mm do. shrunk Thickness parallel to axis ✓

Mid. length thickness 95 mm. Thickness around eyehole ✓

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

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

as fitted as fitted Thickness between bushes as per rule Is the after end of the liner made watertight in the

as fitted as fitted 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

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

If so, state type Length of Bearing in Stern Bush next to and supporting propeller

propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet

Method of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched 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 If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

ing Water Pumps, No. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

ic Pumps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work

aps connected to the Main Bilge Line { No. and Size } How driven

last Pumps, No. and size 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

aps, No. and size:—In Machinery Spaces In Pump Room

Folds, &c. Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes 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

all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks

they fired 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

at pipes pass through the bunkers How are they protected

at 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

partment 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

in Air Compressors, No. No. of stages Diameters a. b. c Stroke Driven by

iliary Air Compressors, No. 3. No. of stages 3 Diameters 318-285-78 mm Stroke 220 mm Driven by auxil. Diesel engine

all Auxiliary Air Compressors, No. ✓ No. of stages ✓ Diameters Stroke Driven by ✓

evenging Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓

iliary 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 yes.

the internal surfaces of the receivers be examined and cleaned yes. Is a drain fitted at the lowest part of each receiver yes.

h Pressure Air Receivers, No. 3. Cubic capacity of each 25 litres. Internal diameter 185 mm. thickness 9.5 mm.

ness, lap welded or riveted longitudinal joint seamless. Material S. H. Steel Range of tensile strength 56.2-58.7 kg/cm² Working pressure by Rules 117.6 kg/cm² Actual 60

rting Air Receivers, No. ✓ Total cubic capacity ✓ Internal diameter ✓ thickness ✓

ness, lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules Actual ✓



