

REPORT ON OIL ENGINE MACHINERY.

No. 8405

-5 JAN 1931

st. 4b.

of writing Report 29/12 1930 When handed in at Local Office Port of Copenhagen
 in Survey held at Copenhagen & Nakskov Date, First Survey 4/11 1929 Last Survey 21/12 1930
 Book. Single on the Twin Screw vessel India Number of Visits 97
261 on the Triple Quadruple

Tons { Gross 9849.15
 Net 6030.63

at Nakskov By whom built Nakskov Skibvaerk Yard No. 39 When built 1930
 ines made at Copenhagen By whom made Binnister & Wain Engine No. 1718 When made 1930
 key Boilers made at Sheffield By whom made Bavy Bros. Ld. Boiler No. 1979 When made 1930
 ke Horse Power abt. 5320 Owners Det Internationale Kompagni Port belonging to Copenhagen
 n. Horse Power as per Rule 948 Is Refrigerating Machinery fitted for cargo purposes yes Is Electric Light fitted yes
 de for which vessel is intended Ocean Trade, gen. cargo, frozen meat & fruit

ENGINES, &c.—Type of Engines Vertical Diesel, trunk piston, air injection or 4 stroke cycle 4 Single or double acting single
 um pressure in cylinders 35 kg/cm² Diameter of cylinders 630 mm Length of stroke 1200 mm No. of cylinders 2 x 8 No. of cranks 2 x 8
 of bearings, adjacent to the Crank, measured from inner edge to inner edge 892 mm Is there a bearing between each crank yes
 lutions per minute 145 TURNING wheel dia. 1902 mm Weight 1180 kg Means of ignition compression Kind of fuel used crude oil
 ank Shaft, dia. of journals 404 mm Crank pin dia. 414 mm Crank Webs Mid. length breadth 690 mm Thickness parallel to axis 266 mm
 as fitted 414 mm 138 mm CENT. HOLE Mid. length thickness 246 mm shrunk Thickness around eye hole 188 mm
 wheel Shaft, diameter 404 mm Intermediate Shafts, diameter 11.15 inch Thrust Shaft, diameter at collars 11.75 inch
 as fitted 414 mm as fitted 11.25 inch as fitted 11.75 inch
 e Shaft, diameter 404 mm Screw Shaft, diameter 12.25 inch Is the shaft fitted with a continuous liner yes
 as fitted 414 mm as fitted 12.50 inch as fitted 12.50 inch

ize Liners, thickness in way of bushes 0.68 inch Thickness between bushes 0.51 inch Is the after end of the liner made watertight in the
 as fitted 13/16 inch as fitted 5/8 inch
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner in one length
 he 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 yes
 wo liners are fitted, is the shaft lapped or protected between the liners yes Is an approved Oil Gland or other appliance fitted at the after end of the tube
 If so, state type yes Length of Bearing in Stern Bush next to and supporting propeller 1600 mm
 peller, dia. 13'-0" Pitch 11'-2" No. of blades 3 Material bronze whether Moveable No Total Developed Surface 51.3 sq. feet

thod of reversing Engines direct reversible Is a governor or other arrangement fitted to prevent racing of the engine yes Means of lubrication
 Thickness of cylinder liners 46 mm Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers lagged with
 conducting material yes If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine let this pipe along
 ling Water Pumps, No. 2, centrifugal, 300 g.p.s. 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. 2 Diameter 160 mm Stroke 244 mm Can one be overhauled while the other is at work yes
 nps connected to the Main Bilge Line { No. and Size 2 off 160 mm dia. x 244 mm stroke / 1 off 150 t/l. / 1 off 30 t/l.
 How driven by main engines electrically electrically

last Pumps, No. and size 1 off rotary, 150 t/l. Lubricating Oil Pumps, including Spare Pump, No. and size 4 off, 40 g.p.s., 60 t/l.
 two independent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
 nps, No. and size:—In Machinery Spaces 2 off 3", 2 off 4", 1 off 1 1/2" (PIPE TUNNEL) In Pump Room
 Holds, &c. N°1 HOLD: 2 off 3", N°2 HOLD: 2 off 4", DEEP TANK: 2 off 2 1/2", N°3 HOLD: 2 off 3 1/2", 1 off 2 1/2", N°4 HOLD: 2 off 3", 1 off 2 1/2", TUNNEL WELL: 1 off 2 1/2"

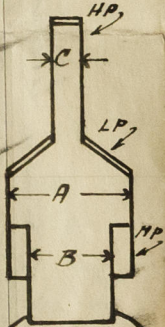
ependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 off 3 1/2", 1 off 6", 1 off 7"
 all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes yes Are the Bilge Suctions in the Machinery Spaces
 from easily accessible mud-boxes, placed above the level of the 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
 e 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
 e 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
 at pipes pass through the bunkers yes How are they protected tunnel
 at pipes pass through the deep tanks 2 off 3", 2 off 4" BILGE PIPES; 1 off 2 1/2" SECTION TO Have they been tested as per Rule the pipes are led through a watertight

all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes
 he 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
 apartment to another yes Is the Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from upper deck

a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
 ain Air Compressors, No. 2 Diamond 7.5 No. of stages 3 Diameters 750-675-50 Stroke 420 mm Driven by main engines
 xiliary Air Compressors, No. see spec. Rpt. No. of stages 1 Diameters 106-34 Stroke 80 mm Driven by steam
 all Auxiliary Air Compressors, No. 1 No. of stages 2 Diameters 106-34 Stroke 80 mm Driven by steam
 avenging Air Pumps, No. 1 Diameter 106 Stroke 80 mm Driven by steam

xiliary Engines crank shafts, diameter as per Rule See Separate Report
 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

igh Pressure Air Receivers, No. 2 WORKING. Cubic capacity of each 225 LITERS Internal diameter 358 mm thickness 21 mm
2 SPARE 400 mm 450 mm
 seamless, lap welded or riveted longitudinal joint lap welded Material S.M. steel Range of tensile strength 22.2 t/0.7 Working pressure 66.9 kg/cm²
 carting Air Receivers, No. 2 Total cubic capacity 1450 cu. ft. Internal diameter 6'-0" x 6'-1 1/16" thickness 5/16 inch ENDS 1 3/16
 seamless, lap welded or riveted longitudinal joint double rivet Material S.M. steel Range of tensile strength 26 Working pressure 25 kg/cm²



002883-002890-0278

IS A DONKEY BOILER FITTED?

yes.

If so, is a report now forwarded?

yes, Sheffield Rpt. 1

Is the donkey boiler intended to be used for domestic purposes only

also for heating brim when thawing off brim pipes in insulated

PLANS. Are approved plans forwarded herewith for Shafting

(If not, state date of approval)

yes.

Receivers

yes.

Separate Tanks

yes.

Donkey Boilers

yes.

General Pumping Arrangements

yes.

Oil Fuel Burning Arrangements

yes.

SPARE GEAR.

Has the spare gear required by the Rules been supplied

yes.

State the principal additional spare gear supplied

please see accompanying list of spare gear.

The foregoing is a correct description,

AKTIESELSKABET

BURMEISTER & WAIN MASKIN- OG SKIBSEYGERI

Manufacturer.

Dates of Survey while building	During progress of work in shops--	4/11/29, 12/11/29, 25/12/29, 2/1/30, 9/1/30, 16/1/30, 23/1/30, 30/1/30, 6/2/30, 13/2/30, 20/2/30, 27/2/30, 6/3/30, 13/3/30, 20/3/30, 27/3/30, 3/4/30, 10/4/30, 17/4/30, 24/4/30, 1/5/30, 8/5/30, 15/5/30, 22/5/30, 29/5/30, 5/6/30, 12/6/30, 19/6/30, 26/6/30, 3/7/30, 10/7/30, 17/7/30, 24/7/30, 31/7/30, 7/8/30, 14/8/30, 21/8/30, 28/8/30, 4/9/30, 11/9/30, 18/9/30, 25/9/30, 2/10/30, 9/10/30, 16/10/30, 23/10/30, 30/10/30, 6/11/30, 13/11/30, 20/11/30, 27/11/30, 4/12/30, 11/12/30, 18/12/30, 25/12/30, 1/1/31, 8/1/31, 15/1/31, 22/1/31, 29/1/31, 5/2/31, 12/2/31, 19/2/31, 26/2/31, 5/3/31, 12/3/31, 19/3/31, 26/3/31, 2/4/31, 9/4/31, 16/4/31, 23/4/31, 30/4/31, 7/5/31, 14/5/31, 21/5/31, 28/5/31, 4/6/31, 11/6/31, 18/6/31, 25/6/31, 2/7/31, 9/7/31, 16/7/31, 23/7/31, 30/7/31, 6/8/31, 13/8/31, 20/8/31, 27/8/31, 3/9/31, 10/9/31, 17/9/31, 24/9/31, 1/10/31, 8/10/31, 15/10/31, 22/10/31, 29/10/31, 5/11/31, 12/11/31, 19/11/31, 26/11/31, 3/12/31, 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