

REPORT ON OIL ENGINE MACHINERY.

No. 13106

30 JAN 1934

19 MAR 1934

Received at London Office

of writing Report 10 January 1934 When handed in at Local Office 10 Port of Amsterdam
 in Survey held at Hengelo Date, First Survey 16 Nov 1933 Last Survey 10 January 1934
 Book. " " Number of Visits 14
 on the Single Twin Triple Quadruple Screw vessel M.V. "ODELIA" "NEW DAGENHAM" Tons { Gross _____ Net _____
 Built at Amsterdam By whom built Ind N. de Vries Yard No. 524 When built 1934
 Engines made at Hengelo By whom made Maack Fabrikator Stork & NV Engine No. 3672 When made 1934
 Main Boilers made at " By whom made " Boiler No. " When made "
 Indicated Horse Power 2 x 200 BHP Owners Odellia Motorschep Co. Ltd Port belonging to London
 m. Horse Power as per Rule 2 x 35 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Use for which vessel is intended River purposes

ENGINES, &c.—Type of Engines Oilless Injection Stork-Ganz 2 or 4 stroke cycle 4 Single or double acting Single
 Maximum pressure in cylinders 45 kg/cm² Diameter of cylinders 170 mm Length of stroke 220 mm No. of cylinders 2 No. of cranks 2
 Indicated Pressure _____
 of bearings, adjacent to the Crank, measured from inner edge to inner edge 180 mm Is there a bearing between each crank yes
 Revolutions per minute Engines 900 Flywheel dia. 750 mm Weight 215 kg Means of ignition Valves inject Kind of fuel used Crude oil
 Crank Shaft, dia. of journals as per Rule Crank pin dia. 108 mm Crank Webs Mid. length breadth 247 mm Thickness parallel to axis shrunk
 as fitted 12.5 mm Mid. length thickness 40 mm Thickness around eyehole _____
 Wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule
 as fitted _____ as fitted 130 mm 40 on diam as fitted 20 mm
 Shaft, diameter as per Rule Screw Shaft, diameter as per Rule Is the { tube { shaft fitted with a continuous liner {
 as fitted _____ as fitted 116 mm { screw { no liners
 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
 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 _____
 If 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 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 forged lubrication Length of Bearing in Stern Bush next to and supporting propeller 495 mm
 Propeller, dia. 350 mm Pitch 1420 mm No. of blades 4 Material Bronze whether Moveable no Total Developed Surface 279 sq. feet
 Method of reversing Engines 1-3 Reversing gears a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication _____
 Thickness of cylinder liners no liners Are the cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with _____
 Inducting material both If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine to funnel
 Bilge Water Pumps, No. 2—one each Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____
 Pumps worked from the Main Engines, No. one each Diameter 95 mm Stroke 60 mm Can one be overhauled while the other is at work yes
 Pumps connected to the Main Bilge Line { No. and Size One 1/2 inch (Centrifugal) {
 How driven Auxiliary engine
 cooling water led to the bilges onboard If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping _____
 Pumps, No. and size one each 1 1/2 inch Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 1-1/2 inch from tank to engine & back to tank for spare
 Independent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge _____
 s, No. and size:—In Machinery Spaces _____ In Pump Room _____
 Pumps, &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 _____
 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 fixed 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 _____
 pipes pass through the bunkers _____ How are they protected _____
 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 _____
 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 _____ Is the Shaft Tunnel watertight no 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 _____
 Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____
 Auxiliary Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____
 Auxiliary Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____
 Suctioning Air Pumps, No. _____ Diameter _____ Stroke _____ Driven by _____
 Auxiliary Engines crank shafts, diameter as per Rule _____
 as fitted 90 mm

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

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

High Pressure Air Receivers, No. ☒ Cubic capacity of each ☒ Internal diameter ☒ thickness ☒

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

Starting Air Receivers, No. ☒ Total cubic capacity ☒ Internal diameter ☒ thickness ☒

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

IS A DONKEY BOILER FITTED? ☒ No ☐ If so, is a report now forwarded?

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

PLANS. Are approved plans forwarded herewith for Shafting ☒ Receivers ☒ Separate Tanks ☒
(If not, state date of approval)

Donkey Boilers ☒ General Pumping Arrangements ☒ Oil Fuel Burning Arrangements ☒

SPARE GEAR.

Has the spare gear required by the Rules been supplied ☒ Yes

State the principal additional spare gear supplied ☒ As per attached list

The foregoing is a correct description,

J. J. J. Machinefabrick GEER. STORK & Co. N.V.

Manufacturer.

Dates of Survey while building ☒ During progress of work in shops -- ☒ 1933 Nov. 16, 23, 30 Dec. 4, 11, 14, 20, 21, 23, 24, 28 January 3, 11, 18
☒ During erection on board vessel --
Total No. of visits

Dates of Examination of principal parts—Cylinders ☒ 14.12.33 ☒ 21.12.33 ☒ 14.12.33 ☒ 20.12.33 ☒ 27.12.33
Crank shaft ☒ 20.12.33 ☒ 3.1.34 Flywheel shaft ☒ Thrust shaft ☒ 20.12.33 ☒ 27.12.33 Intermediate shafts ☒ 20.12.33 ☒ 3.1.34 Tube shaft ☒
Screw shaft ☒ 20.12.33 ☒ 3.1.34 Propeller ☒ Stern tube ☒ 3.1.34 Engine seatings ☒ Engines holding down bolts ☒

Completion of fitting sea connections ☒ Completion of pumping arrangements ☒ Engines tried under working conditions ☒
Crank shaft, Material ☒ S M S Identification Mark ☒ 44040510197 M.B. 11.12.33 Flywheel shaft, Material ☒ Identification Mark ☒ 4404051055/40
Thrust shaft, Material ☒ S M S Identification Mark ☒ 440405505 FNB 1.11.33 Intermediate shafts, Material ☒ S M S Identification Marks ☒ H.P.B. 3.1.34
Tube shaft, Material ☒ Identification Mark ☒ Screw shaft, Material ☒ S M S Identification Mark ☒ 4404051042/43 H.P.B. 3.1.34

Is the flash point of the oil to be used over 150° F. ☒ Yes

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with ☒

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo ☒ No ☐ If so, have the requirements of the Rules been complied with ☒

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with ☒

Is this machinery duplicate of a previous case ☒ No ☐ If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engines are constructed in accordance with the rules. Secretary's letters and approved plans. Material tested as required. Workmanship throughout good. The engines have been tested under full working condition on test bench & good. The engines have been shipped to Ind M^e De Noord Alblasdam to be fitted aboard of the vessel. For starting up the engines an electric motor fed by batteries will be fitted aboard for each engine.

The amount of Entry Fee .. £ 24:— : When applied for, 19
Special 4/5 fee .. £ 160:— :
Donkey Boiler Fee ... £ : : When received, 17 Feb 14
Travelling Expenses (if any) £ 79:— :
Committee's Minute

Assigned *See Rob. J.E. 22773*

J. J. J.
Engineer Surveyor to Lloyd's Register of Shipping.



© 2020

Lloyd's Register Foundation