

New Engine fitted 1,45 H.P.

REPORT ON OIL ENGINE MACHINERY.

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Book. Number of Visits 43

on the Single Screw vessels **"TROCAS"** Tons ^{Gross} _{Net}
Type Triple
Built at Rotterdam By whom built Pott Droogdok Maatschappij Yard No. 99 When built 1927
Lines made at New Castle By whom made North Eastern Marine Engineering Co. Engine No. 2604 When made 1927
Boilers made at Rotterdam By whom made Pott Droogdok Maatschappij Boiler No. 199 When made 1926
Horse Power 3500 Owners Anglo-Tanqueray Petroleum Co. Port belonging to London
Horse Power as per Rule 1204 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Type of Engines See Newcastle report of 21.10.26 or 4 stroke cycle Single or double acting
Maximum pressure in cylinders — No. of cylinders — Diameter of cylinders — No. of cranks — Length of stroke —
Position 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 — Means of ignition — Kind of fuel used —
Main Shaft, dia. of journals ^{as per Rule} _{as fitted} Crank pin dia. — Crank Webs ^{Mid. length breadth} _{Mid. length thickness} Thickness parallel to axis ^{shrunk} _{Thickness around eye-hole}
Main Shafts, diameter ^{as per Rule} _{as fitted} Intermediate Shafts, diameter ^{as per Rule} _{as fitted} Thrust Shaft, diameter at collars ^{as per Rule} _{as fitted}
Main Shafts, diameter ^{as per Rule} _{as fitted} Screw Shaft, diameter ^{as per Rule} _{as fitted} Is the ^{Lube} _{screw} shaft fitted with a continuous liner Yes
Cylinder Liners, thickness in way of bushes ^{as per Rule} _{as fitted} Thickness between bushes ^{as per Rule} _{as fitted} Is the after end of the liner made watertight in the stern bush Yes
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner One length
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 Yes
If the 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 shaft Yes
Length of Bearing in Stern Bush next to and supporting propeller 1.48 M. 1.39 M.
Propeller, dia. 16.6" Pitch 17.6" No. of blades 4 Material Brass whether Moveable No Total Developed Surface 92 sq. feet
Method of reversing Engines Yes Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Oil
Thickness of cylinder liners — Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with insulating 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 Yes

Number of Bilge Pumps, No. — Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
Pumps fitted to the Main Engines, No. — Diameter — Stroke — Can one be overhauled while the other is at work Yes
Pumps connected to the Main Bilge Line { No. and Size 1 & 8" x 10 1/2" x 10" How driven Steam
Bilge Pumps, No. and size 1 & 6" x 6" x 6" 2 & 8" x 10 1/2" x 10" 1 & 8" x 9" x 10" Lubricating Oil Pumps, including Spare Pump, No. and size 3 & 2 1/2" x 10" x 10" 1 rotary & 6"
Independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps, No. and size:—In Engine and Boiler Room 6 & 3 1/2" & 4" & 5" & 5" Pump room aft 1 & 5"
In Engine Room 1 & 2 1/2" & 2 1/2" & 2 1/2" & 2 1/2" In Boiler Room 1 & 2"
Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 & 6 1/2" 1 & 4 1/2"
Are the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes Are the Bilge Suctions in the Machinery Space easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes
Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Both
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 each filled 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
How are they protected Yes
Are they tested as per Rule Yes
Are the pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
Is 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 compartment to another Yes Is the Shaft Tunnel watertight No Tunnel Is it fitted with a watertight door Yes worked from Yes
What means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork Yes

Number of Compressors, No. — No. of stages — Diameters — Stroke — Driven by —
Main Air Compressors, No. — No. of stages — Diameters — Stroke — Driven by —
Auxiliary Air Compressors, No. — No. of stages — Diameters — Stroke — Driven by —
Main Air Pumps, No. — Diameter — Stroke — Driven by —

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
Are the internal surfaces of the receivers be examined Yes What means are provided for clearing their inner surfaces Marshall's fitter
Is a drain arrangement fitted at the lowest part of each receiver Yes
Number of Pressure Air Receivers, No. — Cubic capacity of each — Internal diameter — thickness —
Are they lap welded or riveted longitudinal joint Yes Material Steel Range of tensile strength 29.5 tons Working pressure by Rules 51.0 lb
Air Receivers, No. 4 Total cubic capacity 5.2 cu ft Internal diameter 16.5 in thickness 2.5 in
Are they lap welded or riveted longitudinal joint Yes Material Steel Range of tensile strength 29.5 tons Working pressure by Rules 51.0 lb



