

REPORT ON OIL ENGINE MACHINERY.

No. 9741

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Writing Report 10/2/27 19 When handed in at Local Office 10/2/27 19 Port of GENOVA
Survey held at GENOVA Date, First Survey May 25th 1925 Last Survey January 12th 1927
Number of Visits 36

on the ^{Single} Twin Screw vessel "TERESA ODERO" Tons Gross 8189 Net 5054
Built at FOCE GENOA By whom built Cantieri Navali Odero Yard No. 242 When built 1926
Engine No. 3269 When made 1927

Boilers made at Foce Genoa By whom made Cantieri Navali Odero Boiler No. 180 When made 1927
Horse Power 2600 Owners Cantieri Navali Odero Port belonging to Genoa
Horse Power as per Rule 563 564 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
for which vessel is intended General Cargo, Gulf Ports

ENGINES, &c. Type of Engines M.A.N. Diesel 2 or 4 stroke cycle 4 Single or double acting Single
Pressure in cylinders 38 kg.cm² Diameter of cylinders 560 m/m Length of stroke 1000 m/m No. of cylinders 12 = 6 each No. of cranks 12 = 6 each
bearings, adjacent to the Crank, measured from inner edge to inner edge 760 m/m Is there a bearing between each crank Yes
Revolutions per minute 130 Flywheel dia. 2110 m/m Weight 11,050 kg Means of ignition Compression Kind of fuel used Diesel Oil
Shaft, dia. of journals as per Rule 355.5 as fitted 360 Crank pin dia. 360 m/m Crank Webs Mid. length breadth 172 m/m Thickness parallel to axis 22.5
as per Rule 355.5 as fitted 360 Mid. length thickness 62 m/m Thickness around eyehole 152.5

Intermediate Shafts, diameter as per Rule 238.5 as fitted 260 Thrust Shaft, diameter at collars as per Rule 250 m/m as fitted 270 m/m
Shaft, diameter as per Rule 288.5 as fitted 300 Is the shaft fitted with a continuous liner Yes
Liners, thickness in way of bushes as per Rule 15.35 m/m as fitted 18 m/m Thickness between bushes as per Rule 11.5 m/m as fitted 16 m/m Is the after end of the liner made watertight in the stern Yes
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Yes
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 No
Are the bearings fitted, is the shaft lapped or protected between the liners No Is an approved Oil Gland or other appliance fitted at the after tube shaft No
Length of Bearing in Stern Bush next to and supporting propeller 1,400

Propeller, dia. 3,600 Pitch 2,950 No. of blades 3 Material Bronze whether Moveable Yes Total Developed Surface 3.5 m² sq. feet
Type of reversing Engines Direct Is a governor or other arrangement fitted to prevent racing of the engine when disconnected Yes Means of lubrication Oil
Thickness of cylinder liners 42 m/m Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with lagging 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 Exhaust up Funnel

Water Pumps, No. 2- Independent Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
Pumps worked from the Main Engines, No. None Diameter - Stroke - Can one be overhauled while the other is at work -
Connected to the Main Bilge Line No. and Size 3, 1-300 x 300 x 350 (Duplex) 1- 190 x 150 x 150 1 Centrifugal at 20 tons per hr.
How driven Steam Electric Driven (1 Cent. 24 tons per hr.)
Pumps, No. and size 1-300x300x250 200 tons Lubricating Oil Pumps, including Spare Pump, No. and size (1-Reciprocating)
Independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
No. and size:—In Machinery Spaces 1-170 m/m 2-125 m/m 2-80 m/m Tunnels 2-70 m/m E.R. Ford Cofferdam 2-70m/m E.R. Art Cofferdam - Drain Plugs

Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1-170 m/m 2-125 m/m
Are the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes 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 Yes
Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Valves & (Blowdown) Cocks
Are they fixed sufficiently high on the ship's side to be seen without lifting the platform plates Yes Are the Blow Off Cocks fitted with a spot and brass covering plate Yes

Are the Blow Off Cocks fitted with a spot and brass covering plate Yes
Do they pass through the bunkers None How are they protected
Do they pass through the deep tanks Ford Bilge & Ballast Suctions Have they been tested as per Rule Yes
Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
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 Yes Is it fitted with a watertight door Yes worked from Upper dk.

On the vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
Air Compressors, No. 1- Each Engine No. of stages 3 Diameters 110-470-530 Stroke 400 Driven by Main Engines
Auxiliary Air Compressors, No. 1 No. of stages 3 Diameters 72-290-330 Stroke 250 Driven by Aux. Diesel
Auxiliary Air Compressors, No. 1 No. of stages 2 Diameters 110-350 Stroke 100 Driven by Steam Engine
Charger Blower No. 1 Centrifugal Diameter of Fan 110 Stroke 200 M³ per min. Driven by Aux Diesel

Receivers:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
Internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Openings at ends
A drain arrangement fitted at the lowest part of each receiver Yes
Pressure Air Receivers, No. 3 Cubic capacity of each 1-400 Internal diameter 405 m/m thickness 20 m/m

Are they lap welded or riveted longitudinal joint Seamless Material S.M. Steel Range of tensile strength 55/65 kg. Working pressure by Rules 132.5 kg.
Air Receivers, No. 2 Total cubic capacity 20 cub. metres Internal diameter 1500 m/m thickness 23 m/m
Are they lap welded or riveted longitudinal joint Riveted Material S.M. Steel Range of tensile strength 4I kg. Working pressure by Rules 30.3 kg.

Total No. of Visits

DUAL SURVEY L.R. & R.I.

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