

REPORT ON OIL ENGINE MACHINERY.

No. 7286

JULY 1926

Received at London Office

Date of writing Report 13th Sept 26 When handed in at Local Office 14th Sept 26 Port of Trieste
Date, First Survey 17th Sept 1925 Last Survey Sep 7th 1926
No. in Survey held at Reg. Book. 4756 on the Single Triple Screw vessels "Largestea"
Built at Monfalcone By whom built Cantieri Navali Triestini Yard No. 154 When built 1926
Engines made at Trieste By whom made Stabilimento Leonico Triestino Engine No. 5035 When made 1926
Donkey Boilers made at Annan By whom made Lochan & Co Annan Ltd. Boiler No. 9443 When made 1926
Owner, Soc. Anon. di Nav. & Cap. G. L. Prunierart belonging to Trieste.
Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted yps.

ENGINE, &c.—Type of Engines Burmeister & Wain Diesel 2 or 4 stroke cycle 4 Single or double acting Single.
Maximum pressure in cylinders 35 kg/cm² No. of cylinders 6 Diameter of cylinders 140 No. of cranks 6 Length of stroke 1500
No. of bearings, adjacent to the Crank, measured from inner edge to inner edge 1004 Is there a bearing between each crank yps.
Revolutions per minute 95 Flywheel dia. 2900 Weight 18600 Means of ignition Compression Kind of fuel used Diesel oil
Crank Shaft, dia. of journals as per Rule 470 as fitted 472 Crank pin dia. 472 Crank Webs Mid. length breadth 450 Mid. length thickness 310 Thickness parallel to axis 310
Wheel Shafts, diameter as per Rule 470 as fitted 472 Intermediate Shafts, diameter as per Rule 470 as fitted 472 Thrust Shaft, diameter at collars as per Rule 470 as fitted 472
Screw Shafts, diameter as per Rule 18.25 as fitted 19 Is the shaft fitted with a continuous liner yps.
Liners, thickness in way of bushes as per Rule 13.4 as fitted 15.75 Is the after end of the liner made watertight in the
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner yps.
Is an approved Oil Gland or other appliance fitted at the after
Length of Bearing in Stern Bush next to and supporting propeller 1450
Propeller, dia. 4680 Pitch 3730 No. of blades 4 Material Bronze whether Moveable No Total Developed Surface 6.68 sq. ft.
Method of reversing Engines Comp air (Bronze) Is a governor or other arrangement fitted to prevent racing of the engine when disengaged yps.
Thickness of cylinder liners 58.5/41 Are the cylinders fitted with safety valves yps. Are the exhaust pipes and silencers water cooled or lagged with
conducting material yps. If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine 10 ft. funnel
Suction Water Pumps, No. 2 centrifugal Is the sea suction provided with an efficient strainer which can be cleared within the vessel yps.
Pumps fitted to the Main Engines, No. 2 Diameter 160 Stroke 220 Can one be overhauled while the other is at work yps.
Pumps connected to the Main Bilge Line No. and Size 2 duplex @ 70 x 150: 1 duplex @ 300 x 300 Lubricating Oil Pumps, including Spare Pump, No. and size 2 @ 30 tons per hour.
Last Pumps, No. and size 1 duplex 300 x 300 Oil Cooler Not fitted Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
two independent means arranged for circulating water through the Oil Cooler yps.
Pumps, No. and size:—In Engine and Boiler Room 2 @ 90: 2 @ 90 in Cofferdam: 1 @ 90 in Tunnel well.
Tanks, &c. Forward 6 @ 3 1/2: 2 @ 4 in dup tank: aft 5 @ 3 1/2
Dependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 2 @ 90 to bilge pumps: 1 @ 180 to ballast pump.
All the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes yps. Are the Bilge Suctions in the Machinery Space
from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yps.
All Sea Connections fitted direct on the skin of the ship yps. Are they fitted with Valves or Cocks valves
They fixed sufficiently high on the ship's side to be seen without lifting the platform plates yps. Are the Overboard Discharges above or below the deep water line Above
They each fitted with a Discharge Valve always accessible on the plating of the vessel yps. Are the Blow Off Cocks fitted with a spigot and brass covering plate yps.
Pipes pass through the bunkers yps. Have they been tested as per Rule yps.
Pipes pass through the deep tanks yps.

All Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yps.
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 yps. Is the Shaft Tunnel watertight Ruckel Sept Is it fitted with a watertight door yps. worked from top platform
Wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork yps.
Air Compressors, No. 1 No. of stages 3 Diameter 450: 675: 150 Stroke 480 Driven by Main Crank Shaft
Auxiliary Air Compressors, No. 1 each 9 in. (3) No. of stages 3 Diameters 311: 288: 79 Stroke 170 Driven by 2 Cyl Diesel Engines
Auxiliary Air Compressors, No. 1 No. of stages 2 Diameters 80 + 32 Stroke 140 Driven by hand
Suctioning Air Pumps, No. 1 Diameter 150 Stroke 150 Driven by
Auxiliary Engines crank shafts, diameter as per Rule 113, 115 + 124 110 x 105 TEST 1850 Hk. WP 925-JK-1/8/25
as fitted 113, 115 + 124 110 x 105 TEST 1850 Hk. WP 925-JK-1/8/25

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule yps. Starting air receivers + Air Start bottles
What means are provided for cleaning their inner surfaces Flange top + bottom.
The internal surfaces of the receivers be examined yps.
Are a drain arrangement fitted at the lowest part of each receiver yps.
Pressure Air Receivers, No. 3 Main + 3 out Cubic capacity of each 2 @ 5000 litres Internal diameter 480 thickness 20
Less, lap welded or riveted longitudinal joint Seamless Material S Range of tensile strength 44-50.5 Working pressure by Rules 84.5
Suctioning Air Receivers, No. 2 Total cubic capacity 3000 Internal diameter 1953 thickness 26.5
Less, lap welded or riveted longitudinal joint Riveted Material S Range of tensile strength 44-50.5 Working pressure by Rules 25.

IS A DONKEY BOILER FITTED?
HYDRAULIC TESTS:—

If so, is a report now forwarded?

DESCRIPTION.	DATE OF TEST.	WORKING PRESSURE.	TEST PRESSURE.	STAMPED.	REMARKS.
ENGINE CYLINDERS	18/1/25 - 3/3/26	35 kg/cm ²	60 kg/cm ²	GoB	Plain from head & head.
COVERS	17/12/25 - 3/3/26	" " "	" " "	GoB	tested 3.5 kg/cm ² in cu. space
JACKETS	18/2/26 - 3/3/26	1.5 " "	3.5 " "	GoB	
PISTON WATER PASSAGES	27/2/26 - 20/3/26	" " "	10 " "	GoB	
MAIN COMPRESSORS—1st STAGE	11/2/26 - 18/3/26	4.5 " "	" " "	GoB	water circulating
2nd "	23/2/26 - 18/3/26	20 " "	40 " "	GoB	passages tested to
3rd "	11/2/26 - 3/3/26	65 " "	130 " "	GoB	3.5 kg/cm ² .
AIR RECEIVERS—STARTING	29/4/26 - 7/5/26	25 " "	39 " "	GoB	
INJECTION	17/8/25 - 9/9/25	65 " "	2150 lbs " "	GoB	
AIR PIPES	22/3/26 - 27/8/26	25 lbs " "	20430 kg/cm ²	GoB	
FUEL PIPES	20/3/26 - 4/9/26	65 " "	130 " "	GoB	
FUEL PUMPS	12/2/26	" " "	" " "	GoB	
SILENCER	20/5/26	" " "	3.5 " "	GoB	
Exhaust WATER JACKET	22/12/25	1.5 " "	40 lbs " "	GoB	
SEPARATE FUEL TANKS	12/5/26 & 15/5/26	light tank	15 lbs " "	GoB	

PLANS. Are approved plans forwarded here with for Shafting
Donkey Boilers
SPARE GEAR

The foregoing is a correct description,
STABILIMENTO TECNICO TRIESTINO

During progress of work in shops -
During erection on board vessel -
Total No. of visits
Dates of Examination of principal parts—Cylinders
Crank shaft
Screw shaft
Completion of fitting sea connections
Crank shaft, Material
Thrust shaft, Material
Tube shaft, Material
Is the flash point of the oil to be used over 150° F.
Is this machinery duplicate of a previous case
General Remarks

See attached list
125
18/1/25
3/3/26
2/12/25
2/12/25
22/3/26
2/12/25 - NG
115-2/12/25-NG
115-2/12/25-NG
125-11/12/15-NG
bol di Lana
Monte Piana

The amount of Entry Fee
Special
Donkey Boiler Fee
Travelling Expenses (if any)

Committee's Minute
Assigned
Oil Engines

Engineer Surveyor to Lloyd's Register of Shipping

