

REPORT ON OIL ENGINE MACHINERY.

No. 19245

Site of writing Report 14. 10 30 When handed in at Local Office 12th DECEMBER 1930 Port of Greenock
To. in Survey held at Greenock Date, First Survey 1st APRIL 1930 Last Survey 11th DECEMBER 1930
No. of Visits 3

on the Single Screw vessel M/S "Adellen"
Tons Gross 1761 Net 1161
Built at Greenock By whom built Blythwood 830 20 Yard No. 30 When built 1930
Engines made at Greenock By whom made John & T. Macdonald 102 9 Engine No. 1761 When made 1930
Monkey Boilers made at ditto By whom made ditto Boiler No. 1161 When made 1930
Horse Power 2625 Owners Adellen Shipping Co Ltd Port belonging to London
Horse Power as per Rule 653 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
Made for which vessel is intended Foreign 294

ENGINES, &c.—Type of Engines Summitter Drive 2 or 4 stroke cycle 4 Single or double acting Single
Minimum pressure in cylinders 500 Diameter of cylinders 740 mm Length of stroke 1500 mm No. of cylinders 8 No. of cranks 8
No. of bearings, adjacent to the Crank, measured from inner edge to inner edge 1004 mm Is there a bearing between each crank Yes
Revolutions per minute 95 Wheel dia. 2450 mm Weight 2714 kgs Means of ignition Cumulative Kind of fuel used Diesel
Crank Shaft, dia. of journals as per Rule 446 mm Crank pin dia. 495 mm Mid. length breadth shrunk Thickness parallel to axis 310 mm
as fitted 495 mm Crank Webs Mid. length thickness shrunk Thickness around eye-hole 209 mm
Wheel Shaft, diameter as per Rule 14.1" Intermediate Shafts, diameter as per Rule 14.1" Thrust Shaft, diameter at collars as per Rule 13.3"
as fitted 19 1/2" as fitted 19 1/2" Is the tube screw shaft fitted with a continuous liner Yes
Liner, thickness in way of bushes as per Rule 7/8 Thickness between bushes as per rule 5/8 Is the after end of the liner made watertight in the
as fitted 7/8 as fitted 7/8 peller boss Yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Yes
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
two 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
of the tube shaft No Length of Bearing in Stern Bush next to and supporting propeller 6'-0 1/4"
Propeller, dia. 16'-9" Pitch 11'-3" No. of blades 4 Material Brass whether Moveable No Total Developed Surface 88 sq. feet
Method of reversing Engines air Is a governor or other arrangement fitted to prevent racing of the engine when disengaged Yes Means of lubrication
need Thickness of cylinder liners 53/32 mm Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with
conducting material lagged If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine Yes
Cooling Water Pumps, No. 2 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
Large Pumps worked from the Main Engines, No. Four Diameter 7'-8" 8 Dupl. Stroke 9'-10" 10" Dupl. Can one be overhauled while the other is at work Yes
Pumps connected to the Main Bilge Line { No. and Size 2 (7'-8" 8 Dupl.) (9'-10" 10" Dupl.)
How driven Steam
Ballast Pumps, No. and size one 9'-10" 10" Lubricating Oil Pumps, including Spare Pump, No. and size 2 (one 6" 6" one 10" 10")
two 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 Machinery Spaces 3 - 3 1/2" 1 - 3" Cofferdam Bilge one 2" Bilge Well
Tanks, etc. 1 - 10" in each Pump Room 1 - 3" 1 - 8" for Hold 2 @ 2 1/2"
Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 2 - 5"
Are 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
Are all 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 Both
Are 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 How How are they protected Yes
At pipes pass through the deep tanks How Have they been tested as per Rule Yes
Are all 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
apartment to another Yes Is the Shaft Tunnel watertight How fitted Is it fitted with a watertight door Yes worked from Yes
On a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork Yes
Main Air Compressors, No. one No. of stages 3 Diameters 750 675 150 mm Stroke 610 mm Driven by Main Engine
Auxiliary Air Compressors, No. one No. of stages 3 Diameters 400 350 82 mm Stroke 260 mm Driven by Steam Engine
Small Auxiliary Air Compressors, No. — No. of stages — Diameters — Stroke — Driven by —
Serving Air Pumps, No. — Diameter — Stroke — Driven by —
Auxiliary Engines crank shafts, diameter as per Rule — as fitted —

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Manhole
Is there a drain arrangement fitted at the lowest part of each receiver Yes

High Pressure Air Receivers, No. 2 Cubic capacity of each 200 litres Internal diameter 14" thickness 1 1/2"
Seamless, lap welded or riveted longitudinal joint Seamless Material SDS Range of tensile strength 29-33 Working pressure by Rules 1000
Starting Air Receivers, No. 2 Total cubic capacity 1400 cu ft. Internal diameter 6'-0 3/16" thickness 1 1/2"
Seamless, lap welded or riveted longitudinal joint TR.DBS Material S Range of tensile strength 28-32 Working pressure by Rules 362 1/2"

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