

Reported in Ann. Rpt. 13351

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 10858
MAY 1935

Received at London Office

1 3/4" inch 9
n: Size of opening 2-1 1/4"
me.

4c.
Date of writing Report 25/5/35
When handed in at Local Office 25/5/35
Port of TRIESTE

Survey held at Monfalcone
Date, First Survey Mar 28
Last Survey May 16 1935
Number of Visits five

8366 on the Single Triple Quadruple Screw vessel Auris
Tons { Gross 8030
Net 4783

built at Monfalcone By whom built Cant. Rinn. dell' Adriatico Yard No. 1129 When built 1935
owners Anglo Saxon Petroleum Co. Ltd. Port belonging to London

No. and diameter of Engines made at Amsterdam By whom made Merris Bramhout Engt No. 7176 When made 1934
Generators made at Inverland By whom made Inverland Forge & C. Engt No. F2777 When made 1934

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 16 Kilowatts.

L ENGINES, &c.—Type of Engines Bramhout Diesel Eng. H.S.2 2 or 4 stroke cycle 2 Single or double acting Single
Maximum pressure in cylinders 35 kg/cm² Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank —
Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1240 kg Means of ignition Compust. Kind of fuel used Diesel oil
Crank Shaft, dia. of journals as per Rule as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis —
Mid. length thickness 70 mm shrunk Thickness around eyehole —
Flywheel Shaft, diameter as per Rule as fitted — Intermediate Shafts, diameter as per Rule as fitted 70 mm Thickness of cylinder liners no liner
Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication forced
Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material —
Cooling Water Pumps, No. 1 & 3 T/h Is the sea suction provided with an efficient strainer which can be cleared within the vessel —
Lubricating Oil Pumps, No. and size gear wheel pump. Capacity 6 ltr. per min.
Air Compressors, No. — No. of stages — Diameters — Stroke — Driven by —
Scavenging Air Pumps, No. crank case Diameter — Stroke — Driven by —
IR 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 no What means are provided for cleaning their inner surfaces plugs
Is there a drain arrangement fitted at the lowest part of each receiver yes
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 —
Starting Air Receivers, No. 1 Total cubic capacity 75 ltr. Internal diameter 250 mm thickness 7 mm
Seamless, lap welded or riveted longitudinal joint seamless Material PM1 Range of tensile strength 44-50 kg Working pressure by Rules 46.6 kg/cm²

ELECTRIC GENERATORS:—Type Protected
Pressure of supply 110 volts. Load 146 Amperes. Direct or Alternating Current direct
If alternating current system, state frequency of periods per second —
Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes
Generators, do they comply with the requirements regarding rating yes are they compound wound yes
are they over compounded 5 per cent. —, if not compound wound state distance between each generator —
is an adjustable regulating resistance fitted in series with each shunt field yes Are all terminals accessible, clearly marked, and furnished with sockets yes
are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

PLANS. See also Amsterdam Report No 13351
Are approved plans forwarded herewith for Shafting 11/4/34 Receivers 11/4/34 Separate Tanks

COMPARE GEAR 1 cylinder head. 1 Piston. 30 Piston rings. 1 Crank pin bearing. 2 Gudgeon pin
2 Locking pins. 2 Locking springs. 2 Roller plates. 2 fuel deliv. pipes. 1 spiral spring for
fuel pump. 1 fuel cam. 1 cooling pump impeller. 1 starting air valve. 1 fuel valve
complete. 4 spiral springs. 2 studs for main bearings. 6 studs for cyl. head. 1
spiral spring for inlet valve with bolt. 8 ball bearings of different size
and marks. 1 fuel flange and bush. 1 cooling pump impeller shaft

The foregoing is a correct description.

Manufacturer.



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