

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13351

Date of writing Report 21st Dec 1934 When handed in at Local Office Amsterdam 19 Amsterdam Port of Amsterdam Received at London Office 4 JAN 1935
 No. in Survey held at Amsterdam Date, First Survey 15th May Last Survey 15th Dec 1934
 Reg. Book. Amsterdam Number of Visits 18.

on the Single Screw vessel
 {
 Twin
 Triple
 Quadruple
 Tons { Gross
 Net

Built at _____ By whom built Conchini Bianchi dell'Adriatico No. 1129 When built _____

Owners Anglo Saxon Petroleum Co Port belonging to _____

Oil Engines made at Amsterdam By whom made Messrs Kromhout No. 4176 When made 34

Generators made at _____ By whom made _____ Contract No. _____ When made _____

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

OIL ENGINES, &c. Type of Engines Kromhout Diesel Engine H.S. 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 354.9 m² 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 k.g. Means of ignition Compression Kind of fuel used Diesel Oil.

Crank Shaft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis ✓
as fitted 110 mm Mid. length thickness 70 mm Thickness around eyehole ✓

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule 70 mm Thickness of cylinder liners no liner fitted.
as fitted as fitted

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 a 3 ton per hour 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 liters per mint.

Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____

Scavenging Air Pumps, No. crankcase scavenging Diameter _____ Stroke _____ Driven by _____

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule ✓

Can the internal surfaces of the receivers be examined ✓ What means are provided for cleaning their inner surfaces ✓

Is there a drain arrangement fitted at the lowest part of each receiver ✓

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 liter Internal diameter 250 mm thickness 4 mm.

Seamless, lap welded or riveted longitudinal joint Seamless Material St. Steel Range of tensile strength 4450 k.g. Working pressure by Rules 25 k.g.
40.5 k.g.

ELECTRIC GENERATORS:—Type _____

Pressure of supply _____ volts. Load _____ Amperes. Direct or Alternating Current _____

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 _____

Generators, do they comply with the requirements regarding rating _____ are they compound wound _____

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 _____ Are all terminals accessible, clearly marked, and furnished with sockets _____

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched _____ Are the lubricating arrangements of the generators as per Rule _____

PLANS. Are approved plans forwarded herewith for Shafting 11/4/34 Receivers 11/4/34 Separate Tanks ✓
 (If not, state date of approval)

SPARE GEAR

- 1 Delivery pipe for fuel pump; 1 Impeller for cooling water pump.
- 2 fuel sprayers; 1 Valve for Starting air Valve; 1 Spring for governor;
- 1 Set of piston rings; 1 Set of bolts for bottom end brasses;
- 1 Set of studs and nuts for attaching Combustion Chamber on Cylinder;
- 1 Set of studs and nuts for main bearing brasses.
- 2 leather valves for Air Valves Crankcase.
- 4 Springs for Air Seal ring.
- 1 Bush and plunger for fuel pump.

The foregoing is a correct description.

No. M.V. KROMHOOT MOTOREN FABRIEK
D. Goedkoop Jr. Manufacturer.



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W1123-0302

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Dates of Survey while building
 During progress of work in shops - May 15, June 1-17, Aug 9, Sept 3-10-12, Oct 3-4-9-22-23
 During erection on board vessel - 25-26-27 Nov: 19-20- Dec 15
 Total No. of visits 10.

Dates of Examination of principal parts—Cylinders 9/8-9/9 Covers 9/9-12/9 Pistons 3/9 - Piston rods ✓
 Connecting rods 1/16-3/9 Crank and Flywheel shaft 15/5-9/10-3/9 Intermediate shaft 9/8 -

Crank and Flywheel shafts, Material S.M. Steel Identification Mark LLOYD'S NO 1092 CHLP K.K. 3-9-34
 Intermediate shafts, Material S.M. Steel Identification Marks LLOYD'S NO 259 K.K. 25-5-34

Is this machinery duplicate of a previous case Yes If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.) This Engine has been constructed under Special Survey in accordance with the requirements of the rules: the Secretary's letters and the approved plans. Engine tried under full loaded condition on test bed and found satisfactory.

1m, 2g - Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... £ 120.00 When applied for, 19...
 Travelling Expenses (if any) £ 6.00 When received, 28-19-35 30/1

Mr. Gray
 Surveyor to Lloyd's Register of Shipping.

TUE. 4 JUN 1935

Committee's Minute
 Assigned

See Tri. 96. 10838



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