

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13351

Date of writing Report 21st Dec 34 When handed in at Local Office 19 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. Number of Visits 18

Single
on the Twin
Triple
Quadruple

Tons { Gross
Net

Built at _____ By whom built Continentali 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 18 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 app. Crank pin dia. 110 mm Mid. length breadth 150 mm Thickness parallel to axis ✓
 as fitted 110 mm Crank Webs Mid. length thickness 70 mm Thickness around eye hole ✓
 Flywheel Shaft, diameter as per Rule ✓ Intermediate Shafts, diameter as per Rule app. Thickness of cylinder liners no liner fitted
 as fitted ✓ as fitted 70 mm
 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 15 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. N.V. KROMHOUT MOTOREN FABRIEK
D. Goedkoop Jr.

Manufacturer.



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Lloyd's Register
Foundation

W1123-0302

W1123-0303 1/2

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 17/6-3/9
 Connecting rods 17/6-3/9 Crank and Flywheel shaft 15/5-9/6-3/9 Intermediate shaft 9/8-

Crank and Flywheel shafts, Material S.M. Steel Identification Mark LLOYD'S NO 1892 CHLP K.K. 3-9-34
 Intermediate shafts, Material S.M. Steel Identification Marks LLOYD'S NO 259 K.K. 23-5-34

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. 3.25 - 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, 28-11-35 30/1

Committee's Minute TUE. 4 JUN 1935
 Assigned See Tri. 96. 10838

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