

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13603

3 JAN 1936

Date of writing Report 11th Dec 1935 When handed in at Local Office 19 Port of Amsterdam
 No. in Survey held at Amsterdam Date, First Survey 11th Sept Last Survey 3 Dec 1935
 Reg. Book. Number of Visits 17

on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Tons { Gross
 Triple Net
 Quadruple

Built at Amsterdam By whom built Reed: Scheepswaerf Yard No. 136 When built

Owners Anglo Saxon Petroleum Co Port belonging to

Oil Engines made at Amsterdam By whom made Mesfies Kromhout Contract No. 7572 When made 1935

Generators made at Slitkerweer By whom made Mesfies Smit Contract No. - When made 1935

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

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 40 k.g. Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1

Run of bearings, adjacent to the Crank, measured from inner edge to inner edge 320 mm Is there a bearing between each crank ✓

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1180 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 ✓

coupling as per Rule as fitted 40 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted

Is there 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 Water cooled.

Cooling Water Pumps, No. 1 & 1440 liters per hour, sea suction provided with an efficient strainer which can be cleared within the vessel ✓

Lubricating Oil Pumps, No. and size 1 & 840 liters per hour.

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 liters Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material 1/2" Steel Range of tensile strength 44/50 k.g. Working pressure by Rules 25 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 21/6/35 Receivers 21/6/35 Separate Tanks ✓

SPARE GEAR As per rule. ✓

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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Dates of Survey while building

Sept 11-16-18-19-20-24-27-30
October 3-8-11-21-23-31 November 4-25 December 3
Total No. of visits 17

Dates of Examination of principal parts—Cylinders 11/9/35-18/9/35 Covers 27/9/35 Pistons 11/9/35 Piston rods
Connecting rods 20/9/35-30/9/35 Crank and Flywheel shaft 16/9/35 Intermediate shaft

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S C.H.L.P. No 2157; H.K. 30/9/35
Coupling S. M. Steel Identification Marks LLOYD'S No 498 H. ; H.K. 30-9-35

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

General Remarks (State quality of workmanship, opinions as to class, &c.) This engine has been built under special survey the scantlings were found in accordance with the approved plans and Secretary's letters. Hydraulic tests were carried out on the water cooling spaces of cylinder jackets & covers. exhaust & cooling water manifolds with satisfactory results. The material and workmanship found in order, and the engine when tried under working condition on the test bed gave satisfactory results. This engine is in my opinion, suitable to be placed on board the M. V. Meses Nederlandische Scheepsbouw Maatschappij Yard no 236 for the purpose intended.

The amount of Fee ... £ 190.00 :
Travelling Expenses (if any) £ 13.50 :
When applied for, 19
When received, 19 paid 8/2/35

Mr. M. W. D.
Surveyor to Lloyd's Register of Shipping.
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Committee's Minute
Assigned

For S.S. O.F. 200
Date 13/6/35. Macan