

Renewed Aug 12/47.

Rpt. 4c.

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13632

Date of writing Report 10<sup>th</sup> Feb 1936 When handed in at Local Office 19 Port of Amsterdam Received at London Office 22 FEB 1936

No. in Survey held at Amsterdam Date, First Survey 11<sup>th</sup> Sept Last Survey 5<sup>th</sup> Feb 1936  
 Reg. Book. Amsterdam Number of Visits 14

Single on the Twin Screw vessel Tanker for the Anglo Saxon Petroleum Corp Ltd. Tons { Gross 6256  
 Triple { Net 3606  
 Quadruple }

Built at Rotterdam By whom built Rotterdamse Droogd. My Yard No. 193 When built 1936

Owners Anglo Saxon Petroleum Co Ltd Port belonging to Amsterdam

Oil Engines made at Amsterdam By whom made Meijs Hoombout Motoren fabri. Contract No. 7602 When made '36

Generators made at Amsterdam By whom made Meijs Hoombout Motoren fabri. Contract No. 7602 When made '36

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

**OIL ENGINES, &c.**—Type of Engines Hoombout Diesel Engine H.S. 2 or 4 stroke cycle 1 Single or double acting Single

Maximum pressure in cylinders 40 k.g. Diameter of cylinders 110 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 Yes

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 k.g. Means of ignition Compression Kind of fuel used Diesel Oil.

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

Coupling Flywheel Shaft, diameter as per Rule appx. Intermediate Shafts, diameter as per Rule shrunk  
 as fitted 70 mm as fitted shrunk Thickness of cylinder liners No liners 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 Water cooled.

Cooling Water Pumps, No. 1 440 liters per hour the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

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

Air Compressors, No. 1 No. of stages 1 Diameters 150 mm Stroke 150 mm Driven by Electric

Scavenging Air Pumps, No. 1 crankcase scavenging Diameter 150 mm Stroke 150 mm Driven by Electric

**AIR 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 Water

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

High Pressure Air Receivers, No. 1 Cubic capacity of each 75 liters Internal diameter 150 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material St. steel Range of tensile strength 44/50 k.g. Working pressure by Rules 15 k.g.

Starting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 150 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material St. steel Range of tensile strength 44/50 k.g. Working pressure by Rules 15 k.g.

**ELECTRIC GENERATORS:**—Type Direct

Pressure of supply 220 volts. Load 16 Amperes. **Direct or Alternating Current**

If alternating current system, state frequency of periods per second 50

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. Yes, if not compound wound state distance between each generator 100 mm

is an adjustable regulating resistance fitted in series with each shunt field Yes Are all terminals accessible, clearly marked, and furnished with sockets Yes

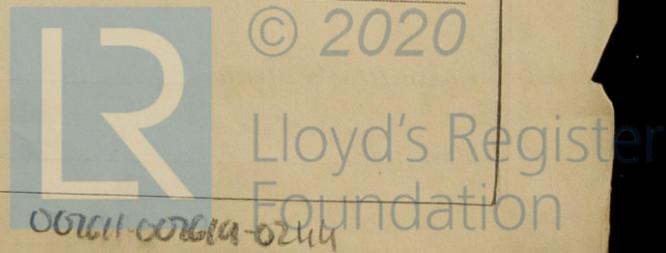
are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes

PLANS. Are approved plans forwarded herewith for Shafting 2/6/35 Receivers 2/6/35 Separate Tanks Yes

SPARE GEAR As per rule.

The foregoing is a correct description,

*[Signature]*  
G. Goedkoop Jr.  
Manufacturer.



06111-00614-0244

Dates of Survey while building  
 During progress of work in shops - - September 11-16-18-19-20-24-27-30 October 3-8-11-21-31  
 During erection on board vessel - - - November 4-26 December 3-23 January 3-9-22-24-27-30  
 Total No. of visits 14. Febr: 5

Dates of Examination of principal parts—Cylinders 11/9/35 - 18/9/35 Covers 27/9/35 - 31/10/35 Pistons 11/9/35 Piston rods ✓  
 Connecting rods 10/9/35 - 30/9/35 Crank and Flywheel shaft 18/9/35 - 31/1/36 Intermediate shaft ✓

Crank and Flywheel shafts, Material S. M. Steel. Identification Mark LLOYD'S No 1154 C.H.L.P.; K.K. 3-1-36  
 Coupling shafts, Material S. M. Steel Identification Marks LLOYD'S No 498 J 17 J; K.K. 30-9-35

Is this machinery duplicate of a previous case Yes If so, state name of vessel Saxtons Anglo Saxon Petr. Comp.

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 motor vessel Mesjies Rotterdamse Drogdok Maatschappij's Yard no 193 for the purpose intended.

The amount of Fee ... £ 90.00  
 Travelling Expenses (if any) £ 3.50  
 When applied for, 19...  
 When received, 24.2.36 17/2

*W. H. H. H.*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 22 MAY 1936  
 Assigned See Rot. J.E. 24572



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Im. 6.31 - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minutes.)