

4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13731

Received at London Office - 1 JUL 1936

of writing Report 24th June 1936 When handed in at Local Office 19 Port of Amsterdam.

in Survey held at Amsterdam Date, First Survey 3rd March Last Survey 10th June 1936

Book. "SEPIA" Number of Visits 7. on the Triple Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons {Gross 6214 Net 3620

built at New Castle on Tyne By whom built Wigham Richardson Ltd Yard No 1519 When built 1936

owners Messrs Anglo Saxon Petroleum Co Ltd. Port belonging to London.

Engines made at Amsterdam. By whom made H. M. Grootenboer Mot. Fabr. Contract No. 7765 When made 1936

Generators made at Slikkerveer By whom made Messrs Smit Contract No. - When made 1936

of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 16 Kilowatts.

and ENGINES, &c. Type of Engines Grootenboer Diesel Engine H. S. 2 or 4 stroke cycle 4 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

Position 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 1100 k.g. Means of ignition Compression Kind of fuel used Diesel Oil.

but of 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 Wheel Shaft, diameter as per Rule 110 mm. Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted.

pressure a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.

valves 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 a 1440 liters per hour. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

lubricating Oil Pumps, No. and size 1 a 850 liters per hour.

r Compressors, No. No. of stages Diameters Stroke Driven by

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

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

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

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 Material S.M. Steel. Range of tensile strength 44/50 k.g. Working pressure by Rules 25 k.g.

ELECTRIC GENERATORS: Type G 340 no 19660

Pressure of supply 110 volts. Full Load Current 145 Amperes. Direct or Alternating Current Direct

alternating current system, state the periodicity Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off

Generators, are they compounded as per rule is an adjustable regulating resistance fitted in series with each

uniform 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

Do the generators are under 100 kw. full load rating, have the makers supplied certificates of test and do the results comply with the requirements

Do the generators are 100 kw. or over have they been built and tested under survey

ANS. Are approved plans forwarded herewith for Shafting 29/2/36 Receivers 29/2/36 Separate Tanks

ARE GEAR As per rule.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.

[Signature]



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Lloyd's Register Foundation

010012-010023-0234

Dates of Survey while building { During progress of work in shops - } March 3, April 4-17, May 20-26, June 15-18
 { During erection on board vessel - - - }
 Total No. of visits 7.

Dates of Examination of principal parts—Cylinders 14/5/36 Covers 16/5-8/6/36 Pistons 26/5/36 Piston rods ✓
 Connecting rods 17/4/36 Crank and Flywheel shaft 3/3-20/5/36 Intermediate shaft ✓

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S; C.H.L.P. No 1296; K.K. 20-5
 Coupling S. M. Steel Identification Marks LLOYD'S; H.P.B. 1962; K.K. 17-4-36
 Intermediate shafts, Material S. M. Steel

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 test were carried out on the water cooling spaces of cylinder jacket, covers and silencer 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 tank vessel for the Anglo Saxon Petroleum Co Ltd. build by Messrs Swan, Hunter, & Wigham Richardson, Ltd. for the purpose intended.

This Auxiliary Oil Engine has been satisfactory fitted on board the M/S. SEPIA, S.H. & W.R. Yard No 1519.

A Watt
 Newcastle on Tyne
 Oct 1936

The amount of Fee ... £ 90.00: When applied for, 19...
 Travelling Expenses (if any) £ 4.00: When received, 19...
 received here 19 Oct 1936

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

Committee's Minute FRI. 30 OCT 1936
 Assigned See NWC. S.C. 91219



Im. 238.—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minute.)