

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13796

Received at London Office - 7 SEP 1936

Date of writing Report 1st Sept. 1936 When handed in at Local Office

Port of Amsterdam - 7 Sept. '36

Survey held at Amsterdam

Date, First Survey 3rd of March Last Survey 14 Aug 1936

Book.

Number of Visits 13.

Single
Twin
Triple
Quadruple

Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd.

Tons { Gross
Net

built at Rotterdam

By whom built Rotterdamse Scheepbouw Yard No. ? When built 1936.

owners Messrs Anglo Saxon Petroleum Co.

Port belonging to

Engines made at Amsterdam By whom made N. H. Kromhout Mot. fabriek Contract No. 7807 When made 1936

Generators made at Sch. Kerwen By whom made Smit & Goedkoop jr Contract No. When made 1936

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 13 Total Capacity of Generators 16 Kilowatts.

L ENGINES, &c.—Type of Engines Kromhout Diesel Engine H. S. 3 2 or 4 stroke cycle 1 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

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 1100 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 110 mm. Intermediate Shafts, diameter as per Rule Thickness around eyehole

Flywheel Shaft, diameter as fitted 110 mm. 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 a 1440 liters per hour the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 a 050 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 Material Sth. Steel. Range of tensile strength 44/50 k.g. Working pressure by Rules 25 k.g.

ELECTRIC GENERATORS:—Type

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

Is an 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

Is the hunt 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

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

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

PLANS. 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

002630-002638-0257

Dates of Survey while building { During progress of work in shops - - } March 3; April 6 - 17; May 9 - 20 - 27 June 8 - 10 - 29
 { During erection on board vessel - - - } July 9; Aug 13 - 21 - 24
 Total No. of visits 13.

Dates of Examination of principal parts—Cylinders 20/5/36 Covers 13/8/36 Pistons 27/5 Piston rods ✓
 Connecting rods 17/4/36 Crank and Flywheel shaft 6/4/36 - 20/5/36 Intermediate shaft ✓

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S C. H. L. P. 2336 H. A. 20-5-36.
 Coupling Intermediate shafts, Material S. M. Steel Identification Marks LLOYD'S NO 1684 H.P.B. H. A. 17-4-36.

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 jacket, cover 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. Built by Messrs "Rotterdamse Droogdok Maatschappij" at Rotterdam for the purpose intended.

1m. 2.36.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 790.00 When applied for, 19
 Travelling Expenses (if any) £ 2.00 When received, 9.9.36

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

Committee's Minute FRI 26 FEB 1937
 Assigned See Rot 25269

