

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13819

21 SEP 1936

Date of writing Report 15 Sept. 1936 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Amsterdam

Date, First Survey 3 March Last Survey 2 Sept. 1936

Number of Visits 14

on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd.

Tons { Gross
Net

Built at Schiedam

By whom built Messrs Wilton-Peymored Yard No. 2 When built 1936

Owners Messrs Anglo Saxon Petroleum Co Ltd.

Port belonging to

Oil Engines made at Amsterdam By whom made H. F. Kromhout Mot. Fabrik Contract No. 7806 When made 1936

Generators made at Uithooven By whom made Smit Contract No. When made

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

IL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 3 2 or 4 stroke cycle Single or double acting Single

Maximum pressure in cylinders 40 h.p. 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 11000 h.p. 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 as per Rule 150 mm. Thickness parallel to axis shrunk 70 mm. Thickness around eyehole ✓

Coupling as per Rule 110 mm. Intermediate Shafts, diameter as per Rule 110 mm. Thickness of cylinder liners No liner 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 Makes cooled.

Cooling Water Pumps, No. 1 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 1 850 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 150 mm. thickness 7 mm.

Seamless, lap welded or riveted longitudinal joint Seamless Material St. Steel Range of tensile strength 44/50 h.p. Working pressure by Rules 15 h.p.

ELECTRIC GENERATORS:—Type

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

If 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

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

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 ✓

SPARE GEAR As per rule.

The foregoing is a correct description,
N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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W168-0073

Lloyd's Register Foundation

Dates of Survey while building
 During progress of work in shops - March 3; April 4-17 May 9-14-16
 During erection on board vessel - June 8-18; July 3-9; Aug 5-13-21; Sept. 3
 Total No. of visits 14

Dates of Examination of principal parts - Cylinders 4/4/36 Covers 13/8/36 Pistons 9/5/36 Piston rods

Connecting rods 17/4/36 Crank and Flywheel shaft 4/4/36 Intermediate shaft

Crank and Flywheel shafts, Material S.M. Steel. Identification Mark LLOYD'S C.H.L.P. No 1291 H.K. 4-4-36

Coupling Intermediate shafts, Material S.M. Steel. Identification Marks LLOYD'S H.P.B. 1958 H.K. 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. build by Messrs. Wilton-Englewood at Schiedam.

The amount of Fee ... £ 90.00 When applied for, 19...
 Travelling Expenses (if any) £ 1.50 When received, 25-9-1936

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 26 FEB 1937
 Assigned See Rot 25273