

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 13819

21 SEP 1936

Received at London Office

Date of writing Report 15th Sept. 1936 When handed in at Local Office 10 Port of Amsterdam
No. in Survey held at Amsterdam Date, First Survey 3rd March Last Survey 2nd Sept. 1936
Reg. Book. 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. ? When built 1936

Owners Messrs Anglo Saxon Petroleum Co Ltd. Port belonging to _____
Oil Engines made at Amsterdam By whom made H. P. Kromhout Mot. Fabriek Contract No. 7806 When made 1936
Generators made at Slikkerveer 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.

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

Maximum pressure in cylinders 40 h.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 11000 h.g. Means of ignition Compression Kind of fuel used Diesel Oil.

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

Coupling as per Rule app. Intermediate Shafts, diameter as per Rule _____ Thickness of cylinder liners No liner fitted
Flywheel Shaft, diameter as fitted 110 mm. as 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 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 250 mm. thickness 7 mm.

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

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 the lubricating arrangements of the generators as per Rule _____

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched _____ and do the results comply with the requirements _____

If the generators are under 100 kw. full load rating, have the makers supplied certificates of test _____

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 _____
(If not, state date of approval)

SPARE GEAR As per rule. ✓

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

D. Goedkoop Jr.

Manufacturer.



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Lloyd's Register Foundation
W168-0073

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 0-10; 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-Pyeonord at Schiedam.

Im. 286. - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 90.00 When applied for, 19...
 Travelling Expenses (if any) £ 1.50 When received, 25-9-19-36

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

Committee's Minute FRI 26 FEB 1937

Assigned See Rot 25273

