

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13795

7 SEP 1936

Received at London Office

Date of writing Report 1st Sept. 1936 When handed in at Local Office 19 Port of Amsterdam
 No. in Survey held at Amsterdam Date, First Survey 3rd March Last Survey 24 Aug 1936
 Reg. Book. "SITALA" Number of Visits 12
 on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co. Ltd. Tons Gross 6218.03
Triple Net 3602.48
Quadruple
 Built at Belfast By whom built Messrs Harland & Wolff Ltd Yard No. 981 When built 1937
 Owners Messrs Anglo Saxon Petroleum Co Ltd. Port belonging to London
 Oil Engines made at Amsterdam By whom made M. H. Kromhout Mot. fabriek Contract No. 7811 When made 1936
D. Goedkoop Jr.
 Generators made at Amsterdam By whom made Amsterdam Contract No. Amsterdam When made Amsterdam
 No. of Sets Amsterdam Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators Amsterdam Kilowatts.

OIL ENGINES, &c. Type of Engines Woomhout Diesel Engine 4. 5. 2 or 4 stroke cycle 2 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 Amsterdam
 Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 h.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 Amsterdam
as fitted 110 mm Mid. length thickness 70 mm Thickness around eye-hole Amsterdam
 Coupling as per Rule 110 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted
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 a 1440 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel Amsterdam
 Lubricating Oil Pumps, No. and size 1 a 850 liters per hour.
 Air Compressors, No. Amsterdam No. of stages Amsterdam Diameters Amsterdam Stroke Amsterdam Driven by Amsterdam
 Scavenging Air Pumps, No. Crankcase scavenging Diameter Amsterdam Stroke Amsterdam Driven by Amsterdam

AIR RECEIVERS: —Is each receiver, which can be isolated, fitted with a safety valve as per Rule Amsterdam
 Can the internal surfaces of the receivers be examined Amsterdam What means are provided for cleaning their inner surfaces Amsterdam
 Is there a drain arrangement fitted at the lowest part of each receiver Amsterdam
 High Pressure Air Receivers, No. Amsterdam Cubic capacity of each Amsterdam Internal diameter Amsterdam thickness Amsterdam
 Seamless, lap welded or riveted longitudinal joint Amsterdam Material Amsterdam Range of tensile strength Amsterdam Working pressure by Rules Amsterdam
 Starting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm
 Seamless, lap welded or riveted longitudinal joint Seamless Material St. Steel Range of tensile strength 44/50 h.g. Working pressure by Rules 15 h.g.

ELECTRIC GENERATORS: —Type Amsterdam
 Pressure of supply Amsterdam volts. Full Load Current Amsterdam Amperes. Direct or Alternating Current
 If alternating current system, state the periodicity Amsterdam Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off Amsterdam
 Generators, are they compounded as per rule Amsterdam is an adjustable regulating resistance fitted in series with each shunt field Amsterdam
 Are all terminals accessible, clearly marked, and furnished with sockets Amsterdam
 are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Amsterdam Are the lubricating arrangements of the generators as per Rule Amsterdam
 If the generators are under 100 kw. full load rating, have the makers supplied certificates of test Amsterdam and do the results comply with the requirements Amsterdam
 If the generators are 100 kw. or over have they been built and tested under survey Amsterdam

PLANS. Are approved plans forwarded herewith for Shafting 29/2/36 Receivers 29/2/36 Separate Tanks Amsterdam
 (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.

Manufacturer.



© 2020

Lloyd's Register Foundation
W1142-087

Dates of Survey while building { During progress of work in shops - - } March 3; April 4-17; May 9-20-27; June 8-18
 { During erection on board vessel - - - } July 9; Aug 14-21-24
 Total No. of visits 12.

Dates of Examination of principal parts—Cylinders 20/5/36 Covers 27/5/36 Pistons 9/5/36 Piston rods ✓

Connecting rods 20/5/36 Crank and Flywheel shaft 20/5/36 Intermediate shaft ✓

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S C.H.L.P. No 2292 H. K. 30-5-36

Coupling Intermediate shafts, Material S. M. Steel Identification Marks LLOYD'S H. P. B. 1963 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. Built by Messrs Harland & Wolff Ltd at Belfast for the purpose intended.

The engine has been efficiently installed on board the M.V. 'SITALA', and tried under working conditions with satisfactory results.

P. Fitzgerald
Glasgow

1m.236.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minutes.)

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

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

Committee's Minute GLASGOW 23 MAR 1937
 Assigned SEE ACCOMPANYING MACHINERY REPORT.