

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15160

Received at London Office

MAR 2 1938

Date of writing Report 27th Feb 1938 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Amsterdam

Date, First Survey 19th Nov

Last Survey 11 Feb 1938

Reg. Book.

Number of Visits 12

Single
on the Twin
Triple
Quadruple

Screw vessel

Tanker for the Anglo Saxon Petroleum Co Ltd.

Tons { Gross
Net

Built at Glasgow

By whom built Messrs Lithgows Ltd

Yard No. 2

When built 1938

Owners Anglo Saxon Petroleum Co Ltd.

Port belonging to

Oil Engines made at Amsterdam

By whom made H. Kromhout Mot. fab.

Contract No. 0298

When made 1938

Generators made at

By whom made

Contract No.

When made

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators Kilowatts.

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

Maximum pressure in cylinders 40 kg/cm² Diameter of cylinders 310 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 Is there a bearing between each crank

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 kg Means of ignition Compression Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals as per Rule 110 mm as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis shrunk Mid. length thickness 4 mm Thickness around eyehole

Coupling Flywheel Shaft, diameter as per Rule 110 mm as fitted 110 mm Intermediate Shafts, diameter as per Rule 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 Water cooled

Cooling Water Pumps, No. 12 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 12 850 liters per hour

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

Scavenging Air Pumps, No. 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. Total cubic capacity 45 liters Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material Sh steel Range of tensile strength 4450 kg Working pressure by Rules 25 kg

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 20/37 Receivers 20/37 Separate Tanks

SPARE GEAR as per rule

The foregoing is a correct description,
KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Lloyd's Register
Foundation
W382-0074

Dates of Survey while building { During progress of work in shops - - } Nov: 19-24 Dec 6-10-12-22 Jan 13-26-28 Feb 3-8-21
{ During erection on board vessel - - - }
Total No. of visits 13

Dates of Examination of principal parts—Cylinders 19/11 - 12/1 Covers 6/12 28/1 Pistons 12/1 Piston rods ✓

Connecting rods 24/11 - 10/12 Crank and Flywheel shaft 12/1 - 3/2 Intermediate shaft ✓

Crank and Flywheel shafts, Material S.M. Steel Identification Mark LLOYDS H.K. 707 H.K. 3-2-38

Coupling Intermediate shafts, Material S.M. Steel Identification Marks LLOYDS H.K. 824 H.K. 3-2-38

Is this machinery duplicate of a previous case Yes ✓ If so, state name of vessel tankers Anglo Saxon Petroleum Co. Ltd.

General Remarks (State quality of workmanship, opinions as to class, &c. This engine has been constructed under special survey in accordance with the Society's rules, approved plan and Secretary's letters.

The material used in the construction was found in order and workmanship satisfactory.

Engine tested on makers test bench and found in a good working condition and is in my opinion suitable to be placed on board the tank vessel for the Anglo Saxon Petroleum Co. Ltd. built by Messrs. Lushgorn Ltd. Port Glasgow for the purpose intended.

Identification marks on air receivers.

LLOYDSTEST 50 cfm W.P. 25 cfm No 1345 H.K. 4-6-37 ✓

Engine securely fitted on board. Trial found satisfactory

Wm Gordon Muirhead
Secretary

The amount of Fee ... £ 90.00 : When applied for, 20.2.1938
Travelling Expenses (if any) £ 12.00 : When received, 22.3.1938

Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 25 OCT 1938

Assigned SEE ACCOMPANYING MACHINERY REPORT.



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