

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

Received at London Office FEB -3 1938

Date of writing Report 29th Jan 1938 When handed in at Local Office 19 Port of Amsterdam
No. in Survey held at Amsterdam Date, First Survey 19th Nov. Last Survey 21st Jan 1938
Reg. Book. Number of Visits 13
on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons Gross 8078 Net 4790
Built at Newcastle on Tyne By whom built Ham Horn Leeseble & Co. Yard No. 7 When built
Owners Anglo Saxon Petroleum Co Ltd. Port belonging to
Oil Engines made at Amsterdam By whom made N.Y. Kromhout Mot. Fabr. Contract No. 8279. 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 18. Total Capacity of Generators Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 2 or 4 stroke cycle 2 Single or double acting Single
Maximum pressure in cylinders 40 k.g/cm² 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 2440 as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis
Coupling as per Rule 2440 as fitted 110 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners no liners fitted
Flywheel Shaft, diameter as per Rule 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. 10 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 a 850 liters per hour
Air Compressors, No. No. of stages Diameters Stroke Driven by
Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey State No. of Report or Certificate
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 75 liters Internal diameter 250 mm thickness 7 mm
Seamless, lap welded or riveted longitudinal joint Steam test Material S.M. steel Range of tensile strength 4450 k.g. Working pressure by Rules 25 k.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 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 28/1/37 Receivers 28/1/37 Separate Tanks
SPARE GEAR As per rule.

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

[Signature]

Manufacturer.



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W241-0159

Dates of Survey while building { During progress of work in shops - - } 19-24-30 Nov. 6-7-8-10-11-13-14 Dec. 17-19-21 Jan. 30
 { During erection on board vessel - - - }
 Total No. of visits 13.

Dates of Examination of principal parts—Cylinders 19/11 - 24/11 Covers 7/12 Pistons 22/12 Piston rods ✓

Connecting rods 24/11/37 - 10/12/37 Crank and Flywheel shafts 19/11/37 - 10/12/37 Intermediate shafts ✓

Crank and Flywheel shafts, Material S.M. Steel. Identification Marks LLOYD'S H.B. 714 H.K. 10-12-37.

Intermediate shafts, Material S.M. Steel. Identification Marks LLOYD'S H.K. 823 H.K. 19-1-38.

Identification marks on Air Receivers LLOYD'S No 1362; H.K. 4-6-37.

Is this machinery duplicate of a previous case? Yes. If so, state name of vessel. Tankers Anglo Saxon Petrol. Comp.

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 owned by Messrs. H. & W. Hawthorn, Leslie & Co Ltd. at Newcastle on Tyne for the purpose intended.

This Engine has been efficiently installed on the MV "Dorpeda" examined under working conditions & found satisfactory

L. Prescott.

Im. 5.37.—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, 2-2-1938

Travelling Expenses (if any) £ 2.00: When received, as per return LOR/1105 24.2.38 MAB

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

Committee's Minute FRI 2 SEP 1938

Assigned See No. 96601



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