

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15125

Received at London Office FEB - 3 1938

Date of writing Report 29<sup>th</sup> Jan 1938 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 19<sup>th</sup> Nov. Last Survey 31<sup>st</sup> Jan 1938

Reg. Book. Single on the Twin Triple Quadruple 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, Leesele, La. Yard No. 7 When built

Owners Anglo Saxon Petroleum Co Ltd. Port belonging to

Oil Engines made at Amsterdam By whom made N. F. Kromhout Mot. Fabr. Contract No. 8179. 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./cm<sup>2</sup> 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 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 shrunk Mid. length thickness 70 mm. Thickness around eye hole

Coupling as per Rule 2440 as fitted 110 mm. Intermediate Shafts, diameter as per Rule as fitted 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 Working pressure by Rules

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 Material M. steel Range of tensile strength 4450 k.g. Working pressure by Rules 15 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

(If not, state date of approval)

SPARE GEAR cks per rule.

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

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. 38.  
 { 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.  
 Coupling Intermediate shafts, Material S.M. Steel. Identification Marks LLOYD'S H.B. 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 Pet. Corp.

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 R. & W. Hawthorn, Leslie & Co Ltd. at Newcastle on Tyne for the purpose intended.

This Engine has been efficiently installed on the MV "Dorinda" examined under working conditions & found satisfactory  
 L. Prescott.

The amount of Fee ... £ 90.00: When applied for, 2-2-1938

Travelling Expenses (if any) £ 2.00: When received, 24-2-38

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned Lee Nov. 96601

FRI 2 SEP 1938



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