

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13571

27 NOV 1935

-9 MAR 1936

4c.

Date of writing Report 18<sup>th</sup> Nov. 1935 When handed in at Local Office

Port of

Received at London Office

in Survey held at Amsterdam

Date, First Survey 11<sup>th</sup> Sept: Last Survey 13<sup>th</sup> Nov. 1935

Number of Visits 16

Single  
on the Twin  
Triple  
Quadruple

Screw vessel Tanker for the Anglo Saxon Petroleum Co.

Tons { Gross 6193  
Net 3627

Built at Newcastle on Tyne

By whom built Messrs Swan Hunter &amp; Thomas Ltd

When built 1935

Owners Anglo Saxon Petroleum Co Ltd

Port belonging to London

Engines made at Amsterdam By whom made Messrs Thornhout

Contract No. 7597 When made 1935

Generators made at Sluikerveer By whom made Messrs Smit

Contract No. When made 1935

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 16 Kilowatts.

L ENGINES, &amp;c. Type of Engines Thornhout Diesel Engine H. S. 2 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

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

as fitted 110 mm Mid. length thickness 70 mm Thickness around eyehole

Intermediate Shafts, diameter as per Rule 40 mm 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. 1 a 1440 liters per hour, the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 a 840 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 150 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material S.M. steel Range of tensile strength 44/50 h.g. Working pressure by Rules 25 h.g.

ELECTRIC GENERATORS:—Type

Pressure of supply volts. Load Amperes. Direct or Alternating Current

If alternating current system, state frequency of periods per second

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off

Generators, do they comply with the requirements regarding rating are they compound wound

are they over compounded 5 per cent. if not compound wound state distance between each generator

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

PLANS. Are approved plans forwarded herewith for Shafting 2/6/35 Receivers 2/6/35 Separate Tanks

SPARE GEAR As per rule.

The foregoing is a correct description.

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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Foundation

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Dates of Survey while building { During progress of work in shops - September 11-16-18-19-20-24-27-30  
During erection on board vessel - October 3-8-11-21-22-31 November 4-13  
Total No. of visits 16

Dates of Examination of principal parts—Cylinders 14/35 - 18/35 Covers 27/9/35 Pistons 11/9/35 Piston rods 20/9/35 - 30/9/35  
Connecting rods 20/9/35 - 30/9/35 Crank and Flywheel shaft 16/9/35 - 30/9/35 Intermediate shaft

Crank and Flywheel shafts, Material S. M. Steel

Identification Mark LLOYD'S NO 2158; C. H. L. P. K. K. 30-9-3

Coupling

Intermediate shafts, Material S. M. Steel

Identification Marks LLOYD'S NO 498, K. K. 30-9-3

Is this machinery duplicate of a previous case Yes. If so, state name of vessel C. S. P. 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 jackets & covers, exhaust & cooling water manifolds 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 Motor Vessel for the C. S. P. C. build at the Yard of Messrs Swan, Hunter & Wigham Richardson Ltd. for the purpose intended.

This Oil Engine Lighting Set has been installed in M/S MAETRA (S. H. & W. R. Ship No 1511.) and satisfactorily tested under full working conditions

A. Watt  
Newcastle on Tyne  
5/3/36

The amount of Fee ... £ 90.00

Travelling Expenses (if any) £ 3.50

When applied for,

19

When received,

Paid on 10.12.35

Surveyor to Lloyd's Register Shipping.

Committee's Minute

FRI. 13 MAR 1936

Assigned

See New. 76. 93536



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