

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15162

Received at London Office MAR 2 1938

Date of writing Report 27 Feb 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 21<sup>st</sup> Feb 1938  
Reg. Book. M.V. "CERION" Number of Visits 14

Single on the Twin Triple Quadruple } Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons { Gross  
Net

Built at Yorks By whom built Clayton Smith's Dock & Ltd. Yard No. ? When built 1930

Owners Anglo Saxon Petroleum Co Ltd. Port belonging to

Oil Engines made at Amsterdam By whom made A. M. Hoombout Mot. Fabr. Cong Contract No. 0312 When made 1938

Generators made at  By whom made D. Goedkoop Jr. Contract No.  When made

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 14 Total Capacity of Generators  Kilowatts.

IL ENGINES, &c.—Type of Engines Hoombout Diesel Eng H.S. 2 1/2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 40 kg/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 320 mm 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 as per Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis   
as fitted 110 mm Mid. length thickness 40 mm shrunk Thickness around eyehole

Coupling Flywheel Shaft, diameter as per Rule as per 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. 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 1250 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. 1 Total cubic capacity 45 liters Internal diameter 250 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material Stn. 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 28/1/37 Receivers 20/1/37 Separate Tanks   
(If not, state date of approval)

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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Dates of Survey while building { During progress of work in shops - - } Nov 19. 14 Dec 8-10-12-13 Jan 11-26-29 Feb 3-8-21  
 { During erection on board vessel - - - }  
 Total No. of visits

Dates of Examination of principal parts—Cylinders 13/11 - 12/11 Covers 13/11 - 13/11 Pistons 12/11 Piston rods ✓

Connecting rods 14/11 - 10/11 Crank and Flywheel shaft 12/11 - 3/11 Intermediate shaft ✓

Crank and Flywheel shafts, Material *V.M. Steel* ✓ Identification Mark *LLOYD'S H.K. 711 H.K. 3-2-38* ✓

*Coupling* Intermediate shafts, Material *V.M. Steel* ✓ Identification Marks *LLOYD'S H.K. 734 H.K. 3-2-38* ✓

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *tankers Anglo Saxon Petr. 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 build by Messrs Smith's Dock Co Ltd. Yorks for the purpose intended. ✓*

Identification marks on this receiver.

*LLOYD'S TEST 50 cfm W.P. 15 cfm No 1696 H.K. 16-1-38. ✓*

*This Kromhout Engine has been fitted on board & found satisfactory under working conditions*

*W. H. Smith*

The amount of Fee ... £ *90.00* : When applied for, *20-2-1938*

Travelling Expenses (if any) £ *1.00* : When received, *22-1-1938*

*W. H. Smith*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 6 JAN 1939

Assigned

*See Mdb FE. machy rpt 1696*



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