

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15136

Received at London Office **NOTED** 1938

of writing Report 5<sup>th</sup> Feb 1938 When handed in at Local Office 19 Port of Amsterdam

in Survey held at Amsterdam Date, First Survey 19<sup>th</sup> Nov. Last Survey 15<sup>th</sup> Jan 1938.

Book. M/S Davila Number of Visits 13

on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons { Gross \_\_\_\_\_ Net \_\_\_\_\_

at Port Glasgow By whom built Messrs Leithgors Ltd. Yard No. 907 When built 1930

ers Anglo Saxon Petroleum Co Ltd. Port belonging to London

Engines made at Amsterdam By whom made H. T. Kromhout N.V. fabrs. Contract No. 8274 When made 1930

erators made at Amsterdam By whom made D. Goedkoop Jr. Contract No. \_\_\_\_\_ When made \_\_\_\_\_

of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators \_\_\_\_\_ Kilowatts.

ENGINES, &c.—Type of Engines Kromhout Diesel Engine H. S. 1 2 or 4 stroke cycle 1 Single or double acting Single

imum 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

of bearings, adjacent to the Crank, measured from inner edge to inner edge 320 mm. Is there a bearing between each crank \_\_\_\_\_

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

nk Shaft, dia. of journals as per Rule as per Rule Crank pin dia. 110 mm. Crank Webs Mid. length breadth 150 mm. Thickness parallel to axis \_\_\_\_\_

ring Shaft, diameter as fitted 110 mm. Intermediate Shafts, diameter as fitted \_\_\_\_\_ Thickness around eyehole \_\_\_\_\_

governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.

the cylinders fitted with safety valves Yes Are the ~~exhaust~~ pipes and silencers water cooled or lagged with non-conducting material Water cooled.

ling Water Pumps, No. 12 1440 liters p. hour. Is the sea suction provided with an efficient strainer which can be cleared within the vessel \_\_\_\_\_

ricating Oil Pumps, No. and size 12 850 liters per hour.

Compressors, No. \_\_\_\_\_ No. of stages \_\_\_\_\_ Diameters \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

enging Air Pumps, No. \_\_\_\_\_ Diameter \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_

RECEIVERS:—Have they been made under Survey \_\_\_\_\_ State No. of Report or Certificate \_\_\_\_\_

ch receiver, which can be isolated, fitted with a safety valve as per Rule \_\_\_\_\_

the internal surfaces of the receivers be examined \_\_\_\_\_ What means are provided for cleaning their inner surfaces \_\_\_\_\_

ere a drain arrangement fitted at the lowest part of each receiver \_\_\_\_\_

h Pressure Air Receivers, No. \_\_\_\_\_ Cubic capacity of each \_\_\_\_\_ Internal diameter \_\_\_\_\_ thickness \_\_\_\_\_

ness, lap welded or riveted longitudinal joint \_\_\_\_\_ Material \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

rting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 150 mm. thickness 7 mm.

ness, lap welded or riveted longitudinal joint Seamless. Material St. 35 Range of tensile strength 4450 kg/cm<sup>2</sup> Working pressure by Rules 15 kg/cm<sup>2</sup>

ELECTRIC GENERATORS:—Type \_\_\_\_\_

ssure of supply \_\_\_\_\_ volts. Full Load Current \_\_\_\_\_ Amperes. Direct or Alternating Current \_\_\_\_\_

ternating current system, state the periodicity \_\_\_\_\_ Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off \_\_\_\_\_

erators, are they compounded as per rule \_\_\_\_\_ is an adjustable regulating resistance fitted in series with each \_\_\_\_\_

it field \_\_\_\_\_ Are all terminals accessible, clearly marked, and furnished with sockets \_\_\_\_\_

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 \_\_\_\_\_

he generators are under 100 kw. full load rating, have the Makers supplied certificates of test \_\_\_\_\_ and do the results comply with the requirements \_\_\_\_\_

he generators are 100 kw. or over have they been built and tested under survey \_\_\_\_\_

INS. Are approved plans forwarded herewith for Shafting 20/1/37 Receivers 20/1/37 Separate Tanks \_\_\_\_\_

(If not, state date of approval)

RE 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

004900-004905-0114



Dates of Survey while building { During progress of work in shops - - } Nov: 19-24-30 Dec 6-7-8-10-11-13-24 Jan 18-19-  
{ During erection on board vessel - - - }  
Total No. of visits 13.

Dates of Examination of principal parts—Cylinders 19/1/37 - 24/1/37 Covers 7/2/37 Pistons 10/2/37 Piston rods ✓  
Connecting rods 30/1/37 - 10/2/37 Crank and Flywheel shafts 19/1/37 - 10/2/37 Intermediate shafts ✓

Crank and Flywheel shafts, Material S.M. Steel ✓ Identification Marks LLOYD'S H.K. 709 ✓  
Coupling Intermediate shafts, Material S.M. Steel ✓ Identification Marks LLOYD'S H.K. 10-12-37 ✓  
H.K. 827 ✓  
H.K. 19-1-38 ✓

Identification marks on Air Receivers LLOYD'S TEST 50 cfm. W.P. 25 cfm No 1488; H.K. 2-8-37.

Is this machinery duplicate of a previous case Yes If so, state name of vessel tankers Anglo Saxon Pet. 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 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 Leithgoms Ltd. Port Glasgow for the purpose intended. This engine now securely fitted on board. Tested & found satisfactory

Wm Gordon Maclellan  
Surveyor

The amount of Fee ... £ 90.00 : When applied for, 7-2-1938  
Travelling Expenses (if any) £ 1.00 : When received, 26-2-1938

Wm Gordon Maclellan  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 7 JUN 1938  
Assigned Lee Grk. Rpt. No. 20579