

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15049

Received at London Office

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Date of writing Report 17<sup>th</sup> Nov 1937 When handed in at Local Office 10 Port of Amsterdam  
 No. in Survey held at Amsterdam Date, First Survey 7<sup>th</sup> June Last Survey 9<sup>th</sup> Nov 1937  
 Reg. Book. 39584 on the Single Triples 130/538 Number of Visits 13 + 7 28/5 38

Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons Gross 6216.62  
Net 3603.20

Built at Odense By whom built Odense Staalsfabriksverft ved A.P. Cheppeler Yard No. 73 When built 1938

Owners Anglo Saxon Petroleum Co Ltd. Port belonging to Eng.

Oil Engines made at Amsterdam By whom made M. H. Kromhout Mot. fab. Contract No. 8141 When made 1937

Generators made at Rotterdam By whom made VORH. WILL. SMIT & CO. Contract No. — When made —

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

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

Maximum pressure in cylinders 40 k.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 k.g. Means of ignition Compression Kind of fuel used Diesel Oil.

Crank Shaft, dia. of journals as per Rule 146 mm. Crank pin dia. 110 mm. Crank Webs Mid. length breadth 150 mm. Thickness parallel to axis —  
as fitted 146 mm. Mid. length thickness 40 mm. Thickness around eyehole —

Coupling as per Rule 146 mm. Intermediate Shafts, diameter as per Rule 110 mm. Thickness of cylinder liners No liner fitted.  
as fitted 110 mm. as fitted 110 mm.

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 p. 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 p. 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 75 liters Internal diameter 250 mm. thickness 7 mm.

Seamless, lap welded or riveted longitudinal joint Seamless Material Stm. Steel. Range of tensile strength 44/50 k.g. Working pressure by Rules 25 k.g.

ELECTRIC GENERATORS:—Type D.C. dip pump

Pressure of supply 110 volts. Full Load Current 145 Amperes. Direct or Alternating Current direct

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 yes

Generators, are they compounded as per rule yes is an adjustable regulating resistance fitted in series with each

shunt field yes Are all terminals accessible, clearly marked, and furnished with sockets yes

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

If the generators are under 100 kw. full load rating, have the makers supplied certificates of test yes and do the results comply with the requirements yes

If the generators are 100 kw. or over have they been built and tested under survey —

PLANS. Are approved plans forwarded herewith for Shafting 20/1/37 Receivers 18/1/37 Separate Tanks —

(If not, state date of approval)

SPARE GEAR as per rule.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP Jr.

Manufacturer.



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1191-0223



Dates of Survey while building

June 7. July 13-20-28. Aug 2-13-23  
Sept 15-24. Oct 6-21-24. Nov 9

74. 20/4. 6/5. 11/5. 21/5. 24/5. 28/5

Total No. of visits 13 + 7 = 20

Dates of Examination of principal parts—Cylinders

20/37

Covers

20/37

Pistons

13/37

Piston rods

Connecting rods

7/6/37 - 13/4/37

Crank and Flywheel shaft

7/6/37 - 13/4/37

Intermediate shaft

LLOYD'S  
No 2397 H.B.  
K.K. 13-7-37.

Crank and Flywheel shafts, Material

S.M. steel

Identification Mark

Coupling

Intermediate shafts, Material

S.M. steel

Identification Marks

LLOYD'S  
No 447 H.K.  
K.K. 5-11-37.

Is this machinery duplicate of a previous case

Yes

If so, state name of vessel

tankers for Anglo Saxon Petroleum Co

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 bed 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.  
built by Messrs Odense Staalskibsvaerft ved. A. P. Møller  
at Odense for the purpose intended.

This engine has been connected with its generator and fitted  
on board the vessel in accordance with the Society's Rules, and  
on completion it was tested under working conditions and found  
satisfactory.

W. H. H. H.

SURVEYOR TO LLOYD'S  
REGISTER OF SHIPPING

The amount of Fee ...

£ 90.00

When applied for,

Nov. 25 1937

Travelling Expenses (if any) £

12.00

When received,

4.1.38

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

JUN 24 1938

See Opn. J.E. 10589



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