

belongs to Amsterdam report No. 1543

Rpt. 4c.

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15173

Date of writing Report 2<sup>nd</sup> March 1938 When handed in at Local Office Amsterdam Port of Amsterdam Received at London Office MAR 9 1938

No. in Survey held at Amsterdam Date, First Survey 19<sup>th</sup> Nov. Last Survey 15<sup>th</sup> Feb 1938

Reg. Book. Single on the Twin Triple Quadruple Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd Tons 12 { Gross Net

Built at Amsterdam By whom built Nederlandsche Dok Mij Yard No. 69 When built 1930

Owners Anglo Saxon Petroleum Co Ltd Port belonging to Amsterdam

Oil Engines made at Amsterdam By whom made H. H. Kromhout Mot. Fabr. Cong. D. Goedkoop Jr. Contract No. 8306 When made 1930

Generators made at Amsterdam By whom made H. H. Kromhout Mot. Fabr. Cong. D. Goedkoop Jr. Contract No. 8306 When made 1930

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

**OIL ENGINES, &c.**—Type of Engines Kromhout Diesel Cong H.S. 2 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 Yes

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 as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Mid. length thickness 70 mm Thickness parallel to axis as per Rule Thickness around eye hole as per Rule

**Coupling** as per Rule as fitted 110 mm **Intermediate Shafts**, diameter as per Rule as fitted 110 mm 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. 12 1440 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

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

**Air Compressors**, No. 1 No. of stages 1 Diameters 150 mm Stroke 150 mm Driven by Electric

**Scavenging Air Pumps**, No. 1 Diameter 150 mm Stroke 150 mm Driven by Electric

**AIR RECEIVERS:**—Have they been made under Survey Yes State No. of Report or Certificate 15173

Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes

Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Water

Is there a drain arrangement fitted at the lowest part of each receiver Yes

**High Pressure Air Receivers**, No. 1 Cubic capacity of each 45 liters Internal diameter 250 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Stainless Material Stainless Range of tensile strength 44/50 k.g. Working pressure by Rules 15 k.g.

**Starting Air Receivers**, No. 1 Total cubic capacity 45 liters Internal diameter 250 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Stainless Material Stainless Range of tensile strength 44/50 k.g. Working pressure by Rules 15 k.g.

**ELECTRIC GENERATORS:**—Type Direct

Pressure of supply 220 volts. Full Load Current 136 Amperes. Direct or Alternating Current Direct

If alternating current system, state the periodicity 50 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 Yes

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

(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.  
 Manufacturer.



W1123-0095

Dates of Survey while building { During progress of work in shops - - } *Nov: 19-24 Dec 6-8-17-18 Jan 18-22-26-28 Febr 3-25*  
 { During erection on board vessel - - - }  
 Total No. of visits *13*

Dates of Examination of principal parts—Cylinders *12/12-12/1* Covers *8/12-28/1* Pistons *12/12* Piston rods ✓

Connecting rods *18/1/38* Crank and Flywheel shafts *12/1 - 3/12/38* Intermediate shafts ✓

Crank and Flywheel shafts, Material *V.M. Steel* ✓ Identification Marks *LLOYDS NO 2751 H.B. H.H. 3-1-38* ✓

Intermediate shafts, Material *V.M. Steel* ✓ Identification Marks *LLOYDS NO 738 H.H. H.H. 3-1-38* ✓

Identification marks on Air Receivers *LLOYDS TEST 50 cfm W.P. 25 cfm No 1606 H.H. 17-12-37* ✓

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 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 Nederlandse Stoom Maatschappij N.V. at Amsterdam yard no 69 for the purpose intended.*

*This engine has been fitted on board and found working satisfactorily.*

The amount of Fee ... £ *90.00* When applied for, *3-3-1938*  
 Travelling Expenses (if any) £ *2.00* When received, \_\_\_\_\_

*Mr. Truyp*  
 Surveyor to Lloyd's Register of Shipping.

*Amount received as per Secretary's letter 22.3.1938*

Committee's Minute  
 Assigned *See FE machy rpt.*

FRI 11 NOV 1938



1m.5.37.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)