

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15161

Received at London Office

MAR 2 1938

Date of writing Report 24<sup>th</sup> Feb 1938 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Amsterdam

Date, First Survey 19<sup>th</sup> Nov.

Last Survey 13<sup>th</sup> Feb 1938

Reg. Book. Single  
on the Twin  
Triple  
Quadruple

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

Built at Schiedam By whom built H. F. Werf Gusto & H. Smulders Yard No. 426 When built 1930

Owners Anglo Saxon Petroleum Co Ltd Port belonging to

Oil Engines made at Amsterdam By whom made H. F. Kromhout (not: J. J. van der Grinten) Contract No. 0307 When made 1930

Generators made at By whom made D. Goedkoop & Co Contract No. When made

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 18 Total Capacity of Generators Kilowatts.

**IL ENGINES, &c.**—Type of Engines Kromhout Diesel Eng H. S. 2 2 or 4 stroke cycle 1 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 328 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 110 mm as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis shrunk Mid. length thickness 40 mm Thickness around eye-hole

Coupling as per Rule 110 mm as fitted Intermediate Shafts, diameter as per Rule 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 & 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 & 050 liters per hour.

Air Compressors, No. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. Diameter Stroke Driven by

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

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. Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Plain steel Material S. A. steel Range of tensile strength 4450 kg Working pressure by Rules 15 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 20/1/37 Receivers 20/1/37 Separate Tanks

SPARE GEAR As per rule.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



© 2021

Lloyd's Register  
Foundation

010580-010588-0104



Dates of Survey while building { During progress of work in shops - - } Nov 14-24; Dec 6-7-10-17-22 Jan 11-26-28 Feb 3-8  
 { During erection on board vessel - - - }  
 Total No. of visits 13

Dates of Examination of principal parts—Cylinders 19/11 - 24/11 Covers 7/12 - 20/12 Pistons 22/12 Piston rods ✓  
 Connecting rods 24/11 - 10/12 Crank and Flywheel shafts 19/11 - 19/12 Intermediate shafts ✓

Crank and Flywheel shafts, Material S. M. Steel ✓ Identification Marks LLOYDS 412 H. K. 10-12-37

Intermediate shafts, Material S. M. Steel ✓ Identification Marks LLOYDS 830 H. K. 3-2-38

Identification marks on Air Receivers LLOYDS TEST 50 ctkm W. P. 25 ctkm No 1605 H. K. 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 H. J. W. G. & Co at Schiedam yard No 726 for the purpose intended.

The amount of Fee ... £90.00 : When applied for, 20-2-1938  
 Travelling Expenses (if any) £1.00 : When received, 18-3-38

Mr. Munt  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 6 JAN 1939

Assigned

See B.T.E. master's rpt.  
 27660



© 2021

Lloyd's Register Foundation