

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS. No. 15040

Received at London Office JUN - 7 1937

Date of writing Report 10th Nov. 1937 When handed in at Local Office 19 Port of *Amsterdam*.

No. in Survey held at *Amsterdam*. Date, First Survey 7th June Last Survey 27th Oct 1937

Reg. Book. Number of Visits 22.

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

Built at *Amsterdam* By whom built *Musjes red. Sch. Ing.* Yard No. 67 When built

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

Oil Engines made at *Amsterdam* By whom made *H. H. Kromhout Mot. Fab.* Contract No. 0143 When made 1937

Generators made at *Stikheveer* By whom made *Musjes Schmit* Contract No. When made 1937

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 13 Total Capacity of Generators 16 Kilowatts.

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

Maximum pressure in cylinders 40 h.p. 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 h.p. Means of ignition *Compression* Kind of fuel used *Diesel Oil*.

Crank Shaft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis shrunk Mid. length thickness 70 mm Thickness around eyehole

Coupling as per Rule 110 mm 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 & 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 45 liters Internal diameter 150 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint *Stainless* Material *St. Steel* Range of tensile strength 44/50 h.p. Working pressure by Rules 15 h.p.

ELECTRIC GENERATORS:—Type *G 340*

Pressure of supply 110 volts. Full Load Current 145 Amperes. Direct or Alternating Current *Direct 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 *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 Shafing 20/1/37 Receivers 20/1/37 Separate Tanks

(If not, state date of approval)

SPARE GEAR *cts per rule.*

The foregoing is a correct description.

N.V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP JR.

Manufacturer.



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Foundation

011330-011340-0229

Dates of Survey while building
During progress of work in shops -
During erection on board vessel - - -
Total No. of visits

June 7; July 13-20-28; Aug 2-13-13
Sept. 15-27; October 6-21-27
13

Dates of Examination of principal parts—Cylinders

13/7/37

Covers

13/8/37

Pistons

13/8/37

Piston rods

Connecting rods

7/6/37 - 13/7/37

Crank and Flywheel shaft

7/6/37 - 13/7/37

Intermediate shaft

Crank and Flywheel shafts, Material

S.M. Steel

Identification Mark

LLOYDS
No. 2400 H.B.
K.B. 15-7-37

Intermediate shafts, Material

S.M. Steel

Identification Marks

LLOYDS
No. 743 H.B.
K.B. 17-10-37

Is this machinery duplicate of a previous case

Yes

If so, state name of vessel

tankers for Anglo Saxon Petrol. 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 Secretaries letters.

The material used in the construction was found in order and workmanship satisfactory.

Engine tested on makers testbed 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 N.V. Nederlandsche Schipwerf Yard No 67 for the purpose intended.

Engine fitted satisfactorily on board the M.T. "Opalia"

Mr. May

The amount of Fee

£ 70.00

When applied for,

16.19.37

Travelling Expenses (if any)

£ 2.00

When received,

11.12.37

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 24 JUN 1938

Assigned

See Ans. J.E. 15288



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