

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 14167

9th Sept 1937

Received at London Office SEP 14 1937

When handed in at Local Office

Port of Amsterdam

Survey held at Amsterdam

Date, First Survey 7th June

Last Survey 9th Aug 1937

Single
Twin
Triple
Quadruple

Screw vessel

M.S. OMAHA
Tanker for the Anglo Saxon Petroleum Co Ltd.

Tons { Gross 6256
Net 3594

built at Monfalcone

By whom built Cantieri Riuniti d'Industria

Yard No. 1202 When built 1937

owners Anglo Saxon Petroleum Co Ltd.

Port belonging to Gravenhage

Engines made at Amsterdam

By whom made H. F. Kromhout Motoren Fab.

Contract No. 0145 When made 1937

generators made at Monfalcone

By whom made C.A.D.A. Off. Electromec.

Contract No. 105707 When made 1938

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

L ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 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.

as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis

as fitted 110 mm Crank Webs Mid. length thickness 70 mm Thickness around eyehole

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

as fitted 110 mm Intermediate Shafts, diameter as fitted Thickness of cylinder liners

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 p. h. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 12 850 liters p. h.

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 yes

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

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

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 Material 1/2" Steel Range of tensile strength 4450 h.p. Working pressure by Rules 15 h.p.

ELECTRIC GENERATORS:—Type C 110 No 105707 Drip-Proof

Pressure of supply 110 volts. Full Load Current 141 Amperes. Direct or Alternating Current direct

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

Excitation 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

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

Are the generators 100 kw. or over have they been built and tested under survey below 100 kw

ANS. Are approved plans forwarded herewith for Shafting 20/1/37 Receivers 20/1/37 Separate Tanks

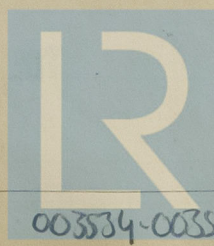
ARE GEAR CAs per rule.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP Jr.

Manufacturer.



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Lloyd's Register

003534-003540-0192 Foundation

Dates of Survey while building { During progress of work in shops - - June 7-17; July 13-14-16-20-26-28-30
 { During erection on board vessel - - Aug 2-11 1938 Apr 4, 25, June 4
 { Total No. of visits 11 (3)

Dates of Examination of principal parts—Cylinders 7/6-13/7 Covers 14/7/37 Pistons 20/7/37 Piston rods
 Connecting rods 17/6/37-13/7/37 Crank and Flywheel shaft 17/6-13/7 Intermediate shaft

Crank and Flywheel shafts, Material S. M. Steel

Identification Mark

Intermediate shafts, Material S. M. Steel

Identification Marks

Is this machinery duplicate of a previous case Yes If so, state name of vessel Tanker Anglo Saxon Pet. 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 Cantieri Riunati Dell' Adriatico at Chionfalcone for the purpose intended.

This engine has been satisfactorily fitted on board and coupled with the Electric Generator reported below. It has been tested under full working condition and found to be in order.

Report 9.6.38

[Signature]

The amount of Fee ...

£ 90.00

When applied for,

19

Travelling Expenses (if any) £

4.00

When received,

6/6/1937

[Signature]

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE 28 JUN 1938

Assigned

See Tri. Rpt. 12109



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