Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15157

Received at London Office FEB 25 1938

Date of writing Report 21st Feb 1938 When handed in at Local Office 19 Port of Amsterdam.

No. in Reg. Book. Survey held at Amsterdam Date, First Survey 19th Nov. Last Survey 17th Feb 1938 Number of Visits 15

M.V. "CLAUSINA"

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

Built at Rotterdam By whom built Rotterdamsche Droogdok Mij Yard No. 203 When built 1938

Owners Anglo Saxon Petroleum Co. Ltd. Port belonging to

Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot: fabr Eng ~~Contract~~ No. 8262 When made 1938

Generators made at ~ By whom made ~ Contract No. ~ When made ~

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

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

Maximum pressure in cylinders 40 kg/cm² Diameter of cylinders 210 m/m Length of stroke 275 m/m No. of cylinders 1 No. of cranks 1

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 320 m/m. Is there a bearing between each crank ~

Revolutions per minute 390 Flywheel dia. 1100 m/m. Weight 1100 k.g. Means of ignition Compression Kind of fuel used Diesel Oil.

Crank Shaft, dia. of journals as per Rule appr: as fitted 110 m/m. Crank pin dia. 110 m/m. Crank Webs Mid. length breadth 150 m/m. Mid. length thickness 70 m/m. shrunk Thickness parallel to axis ~ Thickness around eyehole ~

Coupling ~~Flywheel Shaft~~, diameter as per Rule appr. as fitted 110 m/m. **Intermediate Shafts**, diameter as per Rule ~ as fitted ~ 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 Waterscooled.

Cooling Water Pumps, No. 1a 1440 litres p. hour. Is the sea suction provided with an efficient strainer which can be cleared within the vessel ~

Lubricating Oil Pumps, No. and size 1a 850 litres per 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 litres Internal diameter 450 m/m. thickness 7 m/m.

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

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 (If not, state date of approval) Receivers 20/1/37 Separate Tanks ~

SPARE GEAR As per rule. ✓

28738.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK
D. Goedkoop Jr. N.V.

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } Nov: 19 - 24 - 30 Dec 3 - 8 - 10 - 13 Jan 12 - 19 - 26 - 28 - 29 Feb 3 - 8 - 17
{ During erection on board vessel - - - }
{ Total No. of visits 15 }

Dates of Examination of principal parts—Cylinders 19/11 - 8/2 Covers 28/1 - 13/1 Pistons 19/1 Piston rods ~

Connecting rods 14/11/37 - 10/12/37 Crank and Flywheel shaft 13/2 - 3/2/38 Intermediate shaft ~

Crank and Flywheel shafts, Material S.M. steel / Identification Mark LLOYD'S No 27 51 H.B. / K.K. 3-2-38

Coupling ~~Intermediate~~ shafts, Material S.M. steel / Identification Marks LLOYD'S No 821 H.K. / K.K. 3-2-38

Is this machinery duplicate of a previous case Yes / If so, state name of vessel Tankers 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 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 built by Messrs Rotterdamsche Droogdok Maatschappij. N.V. Yard No 103 at Rotterdam for the purpose intended. /

Indentification marks on Air receivers /
LLOYDS TEST 50 Atm. W.P. 25 Atm № 1695 K.K. 23-12-37. /

The amount of Fee ... ... £ £9.0.00 | When applied for, 22 - 29 38

Travelling Expenses (if any) £ £3.00 | When received, 18 - 3 - 38 19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

(The Surveyors are requested not to write on or below the space for Committee Minute.)

1m,2,36.—Transfer.