

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

15007
No. 15007

Received at London Office OCT 27 1937

Date of writing Report 24th Oct 1937 When handed in at Local Office 19 Port of Amsterdam
No. in Survey held at Amsterdam Date, First Survey 4th June Last Survey 11th Oct 1937
Reg. Book. Number of Visits 16

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

Built at Schiedam By whom built Messrs Wilton Fynovaard Yard No. 662 When built 1937
Owners Anglo Saxon Petroleum Co Ltd. Port belonging to

Oil Engines made at Amsterdam By whom made H. H. Kromhout Mot. Fab. Contract No. 8139 When made 1937
D. Goedkoop
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 13 Total Capacity of Generators — Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 2 2 or 4 stroke cycle 1 Single or double acting Single

Maximum pressure in cylinders 40 h.g. Diameter of cylinders 110 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 1180 h.g. Means of ignition Compression Kind of fuel used Diesel Oil.

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

Coupling as per Rule app. as fitted 110 mm. **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 Water cooled.

Cooling Water Pumps, No. 1 a 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 a 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 Stamlof Material St. Steel Range of tensile strength 4450 h.g. Working pressure by Rules 15 h.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 Receivers 20/1/37 Separate Tanks —
(If not, state date of approval)

SPARE GEAR As per rule. ✓

The foregoing is a correct description,
N.V. KROMHOUT MOTOREN FABRIEK
D. GOEDKOOP Jr.

[Signature]

Manufacturer.



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Lloyd's Register Foundation

003659-003670-0081

Dates of Survey while building

- During progress of work in shops - -
- During erection on board vessel - - -
- Total No. of visits

June 7-17 July 13-16-20-26-28-30
 Aug 2-9-13-18-23
 October 2-6-11

Dates of Examination of principal parts—Cylinders 13/4/37 Covers 20/4/37 Pistons 20/4/37 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 *LLOYD'S NO 7399 H.B. K.K. 13-7-37*

~~Intermediate~~ shafts, Material *S. M. Steel* Identification Marks *LLOYD'S NO 739 H.K. K.K. 6-10-37*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *tankers Anglo Saxon Petrol. 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 Mahers 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 Wilton Pyenord of Schiedam for the purpose intended.

Im. 2.36.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ *£90.00* When applied for, 19
 Travelling Expenses (if any) £ *£2.00* When received, 19

M. M. M. M.
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *received as per Sec. letter dated 24-11-37*
 Assigned *See Rot. J.E. 26776*

FRI. 22 APR 1938

