

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15173

Date of writing Report 2nd March 1938 When handed in at Local Office

Received at London Office

MAY -9 1938

No. in Survey held at Amsterdam

Port of Amsterdam

Reg. Book.

Date, First Survey 19th Nov.Last Survey 15th Feb. 1938

Number of Visits 12

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 Nederlandsche Dok Mij

Yard No. 69

When built

Owners Anglo Saxon Petroleum Co Ltd

Port belonging to

Oil Engines made at Amsterdam

By whom made H. H. Kromhout Mot. Fabr. Cong.

Contract No. 8306

When made 1930

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 Cong H.S. 2 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 40 k.g./cm²

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 k.g.

Means of ignition Compression

Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals

as per Rule appi.

as fitted 110 mm

Crank pin dia. 110 mm

Crank Webs

Mid. length breadth 150 mm

Thickness parallel to axis

Coupling

as per Rule appi.

Mid. length thickness 70 mm

Thickness around eyehole

Flywheel Shaft, diameter

as fitted 110 mm

Intermediate Shafts, diameter

as per Rule

Thickness of cylinder liners No liners 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. 12 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

12 850 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. 1

Total cubic capacity 75 liters

Internal diameter 250 mm

thickness 4 mm

Seamless, lap welded or riveted longitudinal joint

Material

Mn steel

Range of tensile strength 44/50 k.g.

Working pressure by Rules 15 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

(If not, state date of approval)

20/1/37

Receivers

20/1/37

Separate Tanks

SPARE GEAR c/s per rule.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Foundation

W1123-0095

Dates of Survey while building { During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits 13

Nov: 19-24 Dec 6-8-17-18 Jan 18-22-26-28 Feb 3-25

Dates of Examination of principal parts—Cylinders 12/12-12/1 Covers 8/12-28/1 Pistons 12/12 Piston rods ✓

Connecting rods 18/1/38 Crank and Flywheel shafts 12/1 - 3/12/38 Intermediate shafts ✓

Crank and Flywheel shafts, Material V.M. Steel ✓ Identification Marks LLOYDS No 3451 H.B. ✓

Coupling Intermediate shafts, Material V.M. Steel ✓ Identification Marks LLOYDS No 430 H.K. ✓

Identification marks on Air Receivers LLOYDS TEST 50 cktm W.P. 25 cktm No 1606 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 Nederlandsche Stoom Maatschappij N.V. at Amsterdam yard no 69 for the purpose intended.

This engine has been fitted on board and found working satisfactorily.

The amount of Fee ... £ 90.00: When applied for, 3-3-1938

Travelling Expenses (if any) £ 2.00: When received, 1938

Amount received as per Secretary's letter 22.3.1938

Committee's Minute

Assigned

See FE machy rpt.

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



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1m.5.37.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee Minute.)