

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15162

Received at London Office MAR 2 1938

Date of writing Report 27 Feb 1938 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 19th Nov. Last Survey 11th Feb 1938

Reg. Book. M.V. "CERION" 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 Yorks By whom built Messrs Smith's Dock Co Ltd. Yard No. 7 When built 1930

Owners Anglo Saxon Petroleum Co Ltd. Port belonging to

Oil Engines made at Amsterdam By whom made H. M. Kromhout Mot. Fabr. Contract No. 0312 When made 1938

Generators made at By whom made D. Goedkoop Jr. 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.

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

Maximum pressure in cylinders 40 kg/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 320 mm Is there a bearing between each crank

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 kg Means of ignition Compression Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals as per Rule approx. 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis

Coupling as per Rule approx. 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. 12 1440 liters per 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:—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. Total cubic capacity 45 liters Internal diameter 250 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material 1/2" steel Range of tensile strength 44/50 kg Working pressure by Rules 25 kg

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 28/1/37 Receivers 28/1/37 Separate Tanks

SPARE GEAR As per rule

The foregoing is a correct description,
KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



© 2021

Lloyd's Register
Foundation

011057-01061-0080

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

Nov 19. 14 Dec 8-10-12-13 Jan 11-16-19 Feb 3-8-21

Dates of Examination of principal parts—Cylinders 13/1 - 13/1 Covers 13/1 - 13/1 Pistons 13/1 Piston rods

Connecting rods 14/1 - 10/1 Crank and Flywheel shaft 13/1 - 3/1 Intermediate shaft

Crank and Flywheel shafts, Material V.M. Steel Identification Mark LLOYD'S H.K. 711 H.K. 3-2-38

Coupling Intermediate shafts, Material V.M. Steel Identification Marks LLOYD'S H.K. 734 H.K. 3-2-38

Is this machinery duplicate of a previous case? Yes If so, state name of vessel Tanker Anglo Saxon Petr. 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 Smith's Dock Co Ltd. Yorks for the purpose intended.

Identification marks on this receiver.

LLOYD'S TEST 50 cfm W.P. 15 cfm No 1696 H.K. 16-1-38

This Kromhout Engine has been fitted on board & found satisfactory under working conditions

16/1/38

The amount of Fee ... £ 90.00 When applied for, 20-2-1938

Travelling Expenses (if any) £ 1.00 When received, 22-1-1938

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 6 JAN 1939

Assigned

See Moll F.E. machy rpt 1696



© 2021

Lloyd's Register Foundation