

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 14165

Received at London Office

SEP 14 1937

Date of writing Report 9th Sept 1937 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Amsterdam.

Date, First Survey 7th JuneLast Survey 23rd Aug 1937

Reg. Book.

Number of Visits 14

Single
on the Twin
Triple
Quadruple

Screw vessel

M.V. "CHRELIA"
Tanker for the Anglo Saxon Petroleum Co. Ltd.Tons { Gross 8033
Net 4729

Built at Amsterdam

By whom built Ned. Scheepbouw Ing. Yard No. 166

When built 1937

Owners Anglo Saxon Petroleum Co. Ltd. ha. Looport belonging to G. Groenendaal

Oil Engines made at Amsterdam By whom made H. V. Kromhout Mot. Fabr. Contract No. 8136 When made 1937

Generators made at Sluiter van. By whom made J. M. J. Contract No. 20904 When made 1937

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 13 Total Capacity of Generators 16 Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 2.2 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 330 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.

Crank Shaft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 450 mm Thickness parallel to axis

Coupling as per Rule 110 mm Intermediate Shafts, diameter as fitted 110 mm Thickness around eyehole

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 & 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 1 & 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

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 150 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material S.H. Steel Range of tensile strength 44/50 h.p. Working pressure by Rules 15 h.p.

ELECTRIC GENERATORS:—Type Direct current

Pressure of supply 110 volts Full Load Current 145 Amperes Direct or Alternating Current Direct

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 Yes

Generators, are they compounded as per rule Yes is an adjustable regulating resistance fitted in series with each

shunt 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

If the generators are under 100 kw. full load rating, have the makers supplied certificates of test attached 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

SPARE GEAR As per rule.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP JR.

Manufacturer.



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Foundation

604042-004048-0017

Dates of Survey while building

During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits 14

June 7-17; July 13-14-16-20-26-28-30
Aug: 2-9-13-18-23.

Dates of Examination of principal parts—Cylinders 7/6-13/7 Covers 14/7/37. Pistons 28/7/37. 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 LLOYD'S No 2396 H.B.

Intermediate shafts, Material S. M. Steel. Identification Marks LLOYD'S H.B. 13-7-37. No 569.M. H.P.B. 13-8-37.

Is this machinery duplicate of a previous case Yes If so, state name of vessel tankers Anglo Saxon Pels. 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.

This Engine is in my opinion suitable to be placed on board the tank vessel built by Messrs Nederlandsche Scheepsbouw Maatschappij yard no 286 for the purpose intended.

The Motor have been connected to a Smith's Generator No 20904 placed aboard in an efficient manner & good

J. H. M. Dwyer

The amount of Fee ... £ 90.00 :
Travelling Expenses (if any) £ 4.00 :
When applied for, 19...
When received, 29. 9. 1937

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

FRI 17 JUN 1938

Committee's Minute
Assigned

See Amos 2.6. 15293



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