

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13316

15 NOV 1934

Received at London Office

Writing Report 8<sup>th</sup> Nov. 1934 When handed in at Local Office

Port of Amsterdam

Survey held at Amsterdam

Date, First Survey 13<sup>th</sup> May

Last Survey 17<sup>th</sup> Oct 1934

Number of Visits 15

Single on the Twin Triple Quadruple Screw vessel

SUNETTA

Tons { Gross Net

at Rotterdam

By whom built Messrs Holt & Do Maatsch. Yard No. 186 When built

Anglo Saxon Petroleum Co.

Port belonging to London

Engines made at Amsterdam

By whom made Messrs Kromhout

Eng No. 7203

When made 1934

For made at Sunderland

By whom made Sunderland Forge

Contract No.

When made

Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12. Total Capacity of Generators 16 Kilowatts.

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

Pressure in cylinders 35 kg/cm<sup>2</sup> Diameter of cylinders 110 mm Length of stroke 175 mm No. of cylinders 1 No. of cranks 1

Bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank

Revs per minute 390 Flywheel dia. 1100 mm Weight 1240 k.g. Means of ignition Compression Kind of fuel used Diesel Oil

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

Cl Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule 48 mm Thickness of cylinder liners no liners fitted

Arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forged.

Cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

Water Pumps, No. 1 a 3 ton per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Operating Oil Pumps, No. and size 2 gear wheel pumps, capacity 6 liters per min each.

Compressors, No. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. crankcase scavenging Diameter Stroke Driven by

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces

Is a drain arrangement fitted at the lowest part of each receiver

Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

Joints, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

Scavenging Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 150 mm Thickness 7 mm

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

ELECTRIC GENERATORS:—Type

Voltage of supply volts Load Amperes. Direct or Alternating Current

Is an alternating current system, state frequency of periods per second

Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off

Generators, do they comply with the requirements regarding rating are they compound wound

Are over compounded 5 per cent. if not compound wound state distance between each generator

Is adjustable regulating resistance fitted in series with each shunt field Are all terminals accessible, clearly marked, and furnished with sockets

Are so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule

Are approved plans forwarded herewith for Shafting 11/4/34 Receivers 11/4/34 Separate Tanks

THE GEAR

Delivery pipe for fuel pump; 1 Impeller for cooling water pump; Fuel sprayers; 1 Valve for starting air valve; 1 Spring for governor; Set of piston rings; 1 Set of bolts for bottom end brasses; Set of studs and nuts for main bearing brasses; Set of studs and nuts for attaching combustion chamber on cylinder. Leather valves for air valves crankcase Springs for air seal rings; 1 Bush and plunger for fuel pump.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr

Manufacturer.



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Lloyd's Register

005335-00545-0057



4<sup>c</sup>

Dates of Survey while building  
During progress of work in shops -  
During erection on board vessel - - -  
Total No. of visits 15

May 13 June 2-17 Aug 9 Sept. 3-10-12  
Oct 3-4-9-12-13-15-16-27

Dates of Examination of principal parts - Cylinders

2/9/34

Covers

12/9/34

Pistons

10/9/34

Piston rods

Connecting rods

2/9/34

Crank and Flywheel shaft

9/10/34 - 3/4/34

Intermediate shaft

Crank and Flywheel shafts, Material

S. M. Steel

Identification Mark

LLOYDS  
NO 1890 CHLP  
K.K. 3-9-34

Intermediate shafts, Material

S. M. Steel

Identification Marks

LLOYDS  
NO 259  
K.K. 25-5-34

Is this machinery duplicate of a previous case

If so, state name of vessel

General Remarks

(State quality of workmanship, opinions as to class, &c.)

This Engine has been constructed

under Special Survey in accordance with the requirements of the Rules. The Secretary's letters and the approved Engine tried under full loaded condition on test bench and found satisfactory.

The amount of Fee ...

£120.00

When applied for,

19

Travelling Expenses (if any) £

£6.00

When received,

3.12.34

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See Rot. 76 23570



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