

NOV 30 1939

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15134

Received at London Office

APR 28 1939

Date of writing Report 21 April 1939 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Reg. Book.

Amsterdam

Date, First Survey 25 January Last Survey 14 April 1939

Number of Visits 10

1154 on the Single Triple Quadruple

Screw vessel

M.V. OVATTELLA

Tons Gross 6316.50 Net 3636.55

Built at Odense

By whom built Odense Staalskibe

Yard No. 01

When built 1939

Owners The Anglo Saxon Petroleum Co.

Port belonging to London.

Oil Engines made at Amsterdam By whom made N.V. Kromhout Motoren Contract No. 0713 When made 1939.

Generators made at Sluikerveen By whom made Willem Smits & Co. Contract No. 22679 When made 1939.

No. of Sets 1 Engine Brake Horse Power 32 Nom. Horse Power as per Rule 0 Total Capacity of Generators 20 Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout 2 K S 3 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 45 kg Diameter of cylinders 170 mm Length of stroke 225 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 274 mm Is there a bearing between each crank Yes

Revolutions per minute 400 Flywheel dia. 1000 Weight 475 kg Means of ignition Solid injection Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule as fitted 95 mm Crank pin dia. 95 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis as fitted 55 mm Mid. length thickness 55 mm Thickness around eyehole

Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners

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 Rotary 3000 l/hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 12 Rotary 225 l.

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 Yes State No. of Report or Certificate

Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes What means are provided for cleaning their inner surfaces Cover

Can the internal surfaces of the receivers be examined Yes Is there a drain arrangement fitted at the lowest part of each receiver Yes

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. one Total cubic capacity 75 l Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material SMS Range of tensile strength 44.50 kg Working pressure by Rules approved

ELECTRIC GENERATORS:—Type Compound

Pressure of supply 100 volts. Full Load Current 182 Amperes. Direct or Alternating Current Direct

Is an 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

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

Are the generators under 100 kw. full load rating, have the Makers supplied certificates of test Yes and do the results comply with the requirements Yes.

Are approved plans forwarded herewith for Shafting E 12.3.30 Receivers E 12.3.30 Separate Tanks

ARE GEAR As per Rules.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Lloyd's Register Foundation

W375-0152

Dates of Survey while building { During progress of work in shops - - Jan 24, Feb 2-20 March 7-20 April 3-5-6-12-14.
 { During erection on board vessel - - -
 Total No. of visits

Dates of Examination of principal parts—Cylinders *Feb 20 March* Covers *7-20 March* Pistons *24 Jan 7 March* Piston rods *—*

Connecting rods *Feb 20 Feb.* Crank and Flywheel shafts *Feb 20 April* Intermediate shafts *—*

Crank and Flywheel shafts, Material *SMS.* Identification Marks *1730 Lloyd's H.K. H.P.B. 0.2.39*

Intermediate shafts, Material *—* Identification Marks *—*

Identification marks on Air Receivers *1710 Lloyd's H.K. 24-1-30*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *M.V. Ondina Ans up 15611*

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

The Motor has been made under special survey in accordance with the approved plans & Secretary's letters. Workmanship throughout good.

The Motor has been shipped to Odense and will be fitted aboard Messrs Odense's Skalskibsvaerskud No. 21.

The generator set has been fitted on board the vessel, connected and tested as per Society's Rules and found satisfactory.

M. L. Lloyd
 SURVEYOR TO LLOYD'S
 REGISTER OF SHIPPING

The amount of Fee ... *£90-* When applied for, *24-4-1939*
 Travelling Expenses (if any) *£5-* When received, *25-5-39*

E. J. Lloyd
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 8 DEC 1939* *paid accord. to London letter dated 25-5-39. cl*
 Assigned *No action*