

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15659

Date of writing Report 15 May 1939 When handed in at Local Office

Received at London Office

MAY 24 1939

No. in Survey held at

Amsterdam

Date, First Survey 24 January

Last Survey 5 May 1939

Reg. Book.

89480

on the Single
Twin
Triple
Quadruple
Screw vessel

MS "Olivia"

Number of Visits 2

Tons

Gross 6307
Net 3600

Built at Monfalcone

By whom built

Cantieri Riuniti dell'Adriatico

Yard No. 1214

When built 1934

Owners

N.V. Curacaosche Scheepvaart Maatschappij

Port belonging to

Willemstad

Oil Engines made at

Amsterdam

By whom made

N.V. Kromhout Motoren

Contract No. 2714

When made 1939

Generators made at

Monfalcone

By whom made

Cant. Riunit. dell'Adriatico

Contract No. 17654

When made 1939

No. of Sets 1

Engine Brake Horse Power 32

Nom. Horse Power as per Rule 0

Total Capacity of Generators 18

Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout 2K33 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 mm

Weight 475 kg

Means of ignition Solenoid

Kind of fuel used Diesel oil

Crank Shaft, dia. of journals

as per Rule approved

as fitted 95 mm

Crank pin dia. 95 mm

Crank Webs

Mid. length breadth 150 mm

Thickness parallel to axis

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. 1 Rotary 3000 l/min

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/min

Air Compressors, No. 1

No. of stages 1

Diameters 150 mm

Stroke 150 mm

Driven by

Scavenging Air Pumps, No. 1

Diameter 150 mm

Stroke 150 mm

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

Can the internal surfaces of the receivers be examined Yes

What means are provided for cleaning their inner surfaces Yes

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

High Pressure Air Receivers, No. 1

Cubic capacity of each 75 l

Internal diameter 250 mm

thickness 7 mm

Seamless, lap welded or riveted longitudinal joint

Material SMS

Range of tensile strength 44-50 kg

Working pressure by Rules approved

Starting Air Receivers, No. One

Total cubic capacity 75 l

Internal diameter 250 mm

thickness 7 mm

Seamless, lap welded or riveted longitudinal joint

Material SMS

Range of tensile strength 44-50 kg

Working pressure by Rules approved

ELECTRIC GENERATORS:—Type C 110 drip proof

Pressure of supply 110 volts

Full Load Current 164

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 Yes

and do the results comply with the requirements Yes

If the generators are 100 kw. or over have they been built and tested under survey below 100 kw

PLANS. Are approved plans forwarded herewith for Shafting E 22-3-30 Receivers E 22-3-30 Separate Tanks

(If not, state date of approval)

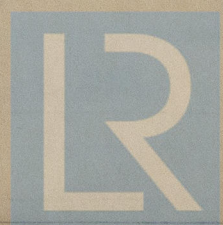
SPARE GEAR

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Foundation

W1153-0147

Dates of Survey while building { During progress of work in shops - Jan 24. Feb 8. March 20 April 3-6-14-17-20-20-20. May 5
During erection on board vessel - 1939 May 23, June 16, 23, July 8
Total No. of visits 11 + 4 = 15

Dates of Examination of principal parts - Cylinders 24 Jan & 2 Feb Covers 3-14 April Pistons 8 Feb 14 April Piston rods -

Connecting rods 24 Jan & 2 Feb Crank and Flywheel shafts - 8 Feb - 3 April Intermediate shafts -

Crank and Flywheel shafts, Material S4S Identification Mark HK/HB 0-2-29

Intermediate shafts, Material - Identification Marks -

Identification marks on Air Receivers 1350
Largest 50 RPM
W D 25 RPM
K K. 4-6-37

Is this machinery duplicate of a previous case Yes If so, state name of vessel MT Ornela kms up 15634

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

The Motor has been made under special survey in accordance with approved plans. Secretary's Letter & Society's rules Material duly tested, workmanship throughout good

The Motor has been shipped to Monfalcone and will be fitted aboard Messrs Canheri Riuniti del Adriatico, Jarid #2 1214.

This Engine has been satisfactorily fitted on board and coupled with the Electric generator reported below. It has been tested under full working condition and found in order.

Trieste 17.7.39

[Signature]
Surveyor to Lloyd's Register of Shipping.

The amount of Fee ... £90- : When applied for, 22-5-1939

Travelling Expenses (if any) £4- : When received, 29-8-1939

Committee's Minute

TUE 1 AUG 1939

Assigned

See Tri Rph 12604



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