

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15521

Received at London Office

23 JAN 1939

Date of writing Report 14 Jan. 1939 When handed in at Local Office

19

Port of Amsterdam

MAY -4 1939

No. in Survey held at Amsterdam

Date, First Survey 27 June 1930 Last Survey 3 January 1939

Reg. Book.

Number of Visits 7

Single  
on the Twin  
Triple  
Quadruple } Screw vessel

"CLAVELLA"

Tons { Gross 8097  
Net 4710

Built at Rotterdam

By whom built N.V. Rotterdamse Droogdok No. 211 When built 1939

Owners

Port belonging to

Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot. Fabr. Contract No. 0700 When made 1939

Generators made at Lelkhuizen By whom made N.V. W. Smits &amp; Co Contract No. 22320 When made 1930

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

OIL ENGINES, &amp;c.—Type of Engines Kromhout Diesel 2 KS 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 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 152 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. 1 2 3000 l/h rotary Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 2000 l/h rotary 2 250 l/h

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 1919.

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 Com.

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. 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 25 kg.

ELECTRIC GENERATORS:—Type Compound

Pressure of supply 110 volts Full Load Current 182 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

Wound 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 and do the results comply with the requirements

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

TANKS. Are approved plans forwarded herewith for Shafting E 22.3-30 Receivers 22.3-30 Separate Tanks

SHAFTING. Are approved plans forwarded herewith for Shafting E 22.3-30 (If not, state date of approval)

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The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Lloyd's Register

002682-002689-0124



Dates of Survey while building { During progress of work in shops - June 27. Aug 27. 29. Sept 13. 20. Oct 3. Nov 7. 10. 23. 20. Dec 1. 6. 10. 13. 21. 27 Jan 3  
During erection on board vessel - - -  
Total No. of visits

Dates of Examination of principal parts—Cylinders 7. 23 Nov 3 Jan Covers Oct 3 Nov 23 Pistons 13. 20 Sept 1 Dec Piston rods -

Connecting rods 7. 20 Nov 27 Dec Crank and Flywheel shafts 7. 20 Nov. 1-6 Dec Intermediate shafts -

Crank and Flywheel shafts, Material S H S

Identification Marks 44040'S  
1725  
GB+H.P.B 23-11-30

Intermediate shafts, Material -

Identification marks on Air Receivers 1919  
Lloyd's test 50 APM  
Whitcomb 25 APM  
K.K. 11-5-30

Is this machinery duplicate of a previous case No If so, state name of vessel

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

The Auxiliary engine has been made under special survey in accordance with the approved plans & Secretary's letters

Material duly tested workmanship throughout good.

Bench test Satisfactory.

The Motor has been tested under full load & good.  
The engine has been shipped to Rotterdam and will be placed aboard N.V. Rotterdam dry dock Co Yard No 211

1m.5.37.—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ...

Travelling Expenses (if any)

When applied for,

When received,

Committee's Minute

Assigned

TUE. 16 MAY 1939

See Rot. J.E. 28728

*J. H. J. J. J.*  
Surveyor to Lloyd's Register of Shipping.



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Foundation