

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15523

Received at London Office

23 JAN 1939

Date of writing Report 19 When handed in at Local Office 19

Port of Amsterdam

No. in Survey held at Amsterdam
Reg. Book:

Date, First Survey 27 June 1928 Last Survey 3 January 1929

Number of Visits 17

Single
Twin
Triple
Quadruple

Screw vessel

"GERONTA" "CORILLA"

Tons { Gross
Net

Built at Amsterdam

By whom built Wilton-Fynwood

Yard No 664 When built 1939

Owners

Port belonging to

Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot. fab. Contract No. 8709 When made 1939

Generators made at Plukhove By whom made N.V. W. Smit & Co Contract No. 22331 When made 1928

No. of Sets one Engine Brake Horse Power 32 Nom. Horse Power as per Rule 8 Total Capacity of Generators 20 Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel 2 KS3 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 45 kg Diameter of cylinders 140 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 Solid inject 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 shrunk Mid. length thickness 51 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 2000 L/hour rotary Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 rotary 225 L/hour

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 1712

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 cover

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. 1 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 46-6 kg net pressure 25 kg

ELECTRIC GENERATORS:—Type Compound

Pressure of supply 110 volts. Full Load Current 102 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 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 F22-3-20 Receivers 22-3-20 Separate Tanks

SPARE GEAR

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Foundation

002674-002681-0065

Dates of Survey while building	During progress of work in shops - -		Total No. of visits
	June 27.	Aug 27. 29	Sept 13. 20.
			Oct 3.
			Nov 7. 18. 23. 20.
			Dec 1. 6. 10. 13. 14. 27.
			Jan 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31.

Dates of Examination of principal parts—Cylinders 7-23 Mar 3 Jan Covers 6-13 Mar 13 Pistons 12-20 Sept 11 Due Piston rods

Connecting rods 7-23 Nov 27 Dec Crank and Flywheel shafts 7-23 Nov 1-6 Dec Intermediate shafts c

Crank and Flywheel shafts, Material *SA3* Identification Marks *4.3-4.0.8-23-12-2P*

Intermediate shafts, Material	✓	Identification Marks	✓
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Identification marks on Air Receivers. *Revised 50 APR
W.D. 25 APR
K.K. 24-1-20*

Is this machinery duplicate of a previous case Yes If so, state name of vessel MR. CLAVELLA Amos up - 15521

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. The Motor has been tested under full load & good. The engine has been shipped to Rotterdam and will be placed aboard *M. Ceronia*. *Milton-Tynewood* yard No 664.

The amount of Fee

Travelling Expenses (if any)

When applied for,
21-1-1939

When received,
23-1-1939

Ernest Rogers
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See FE. machy rpt.

FRI. 10 MAR 1939

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