

R'dam ref. No. 281006

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS,

No. 15524

Received at London Office 23 JAN 1939

Date of writing Report 17 Jan 1939 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 27 August Last Survey 9 January 1939
Reg. Book. Number of Visits 17

on the ^{Single} ~~Twin~~ ^{Triple} ~~Quadruple~~ Screw vessel motor vessel "CERONIA" Tons { Gross Net

Built at Rotterdam By whom built Wilton-Tygerwerf Yard No. 665 When built 1939

Owners Ned. Petroleum Maats. La Corona. Port belonging to 's Gravenhage

Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot. Fabr. Contract No. 0710 When made 1939

Generators made at Schiedamschen By whom made N.V. W. L. Smit & Co. Contract No. 22324 When made 1939

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 2KS3 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 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 C Mid. length thickness 55 mm shrunk Thickness around eye hole C

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

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 3000 rpm 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

IR RECEIVERS:—Have they been made under Survey State No. of Report or Certificate 1921.

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

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

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

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 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

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 AND GEAR

The foregoing is a correct description,
KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

[Signature]

Manufacturer.



© 2020

Lloyd's Register Foundation

002150-002153-0013

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

27 Aug Sept 13-20 Oct 3 Nov 7-10-23-28 Dec 1-6-10-13-21-27 Jan 3-9

Dates of Examination of principal parts—Cylinders 7-23 Nov 3 Jan Covers Oct 2. Nov 23 Pistons 13-20 Sept 1 Dec Piston rods

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

Crank and Flywheel shafts, Material SMS Identification Marks 1714 H.K. - H.P.B. 23-11-30

Intermediate shafts, Material Identification Marks ✓

Identification marks on Air Receivers 1921 H.K. 25 APR 11-5-30

Is this machinery duplicate of a previous case Yes If so, state name of vessel MT. CLAVELLA Amst report 1552

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 fitted aboard H.M.S. Wilton-Tywood Yard No. 665.



1m.537.-Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... 90- : When applied for, 21-1-39
 Travelling Expenses (if any) 6- : When received, 31-1-39

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

TUE 2 MAY 1939

Committee's Minute Assigned See Rot. J.E. 28100

This Certificate... While the... cuted, it is to... tever to be h... y in the Regi... mitees or an... 10.) 20m.7.38.