

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-Tijerwoord Yard No. 665 When built 1939  
 Owners Ned. Petroleum Maats. La Corona Port belonging to Gravenhage  
 Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot. Fabr. Contract No. 9710 When made 1939  
 Generators made at Sluikewijk By whom made N.V. W. Lint & Co Contract No. 22324 When made 1939  
 No. of Sets one Engine Brake Horse Power 32 Nom. Horse Power as per Rule 32 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 valve inlet 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             
 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. 1 300 l/hour 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. 1 Total cubic capacity 75 l Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material SM5 Range of tensile strength 44-50 kg Working pressure by Rules as per Rule  
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

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

ANS. Are approved plans forwarded herewith for Shafting E 22-3-30 Receivers 22-3-30 Separate Tanks             
 (If not, state date of approval)

ARE GEAR

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Lloyd's Register  
Foundation

002150-002153-0013



24 Aug Sept 13-20 Oct 3 Nov 7-10-23-28 Dec 1-6-10-13-21-27 Jan 3-9.  
Dates of Survey { During progress of work in shops - - }  
while building { 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 7-23 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. 23-11-28

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers 1921  
Linger's Lub 50 RPM  
W.D. 25 RPM  
K.K. 11-5-20

Is this machinery duplicate of a previous case Yes If so, state name of vessel MT. CLAVELLA Am 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-Tyngwood Yard No 665.



1m. 5. 31. 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.

Committee's Minute  
Assigned  
TUE 2 MAY 1939  
See Rot. J.E. 28700