

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 15610

Received at London Office

APR 13 1939

Date of writing Report 6 April 1939 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 3 January Last Survey Sept 27 1939
Reg. Book. " Number of Visits 15.

on the Single Twin Triple Quadruple Screw vessel M.V. 'TARIA' Tons Gross Net

Built at Amsterdam By whom built N.V. Ned Scheepb 49 Yard No. 273 When built 1939

Owners _____ Port belonging to _____

Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot fab Contract No. 0706 When made 1939

Generators made at Slkheven By whom made Willelm Smid Contract No. 22329 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, &c.—Type of Engines Kromhout 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 Weight 475 kg Means of ignition solidified 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 shrunk Mid. length breadth 150 mm Thickness parallel to axis shrunk Mid. length thickness 55 mm Thickness around eyehole shrunk

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

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/hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size 1 Rotary 2 2/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 1916

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. 2 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. One Total cubic capacity 75 L Internal diameter 250 mm thickness 7 mm

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

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

SPARE GEAR _____

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr., N.V.

Manufacturer.



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Lloyd's Register Foundation

003341-003348-0060

24/4/39

Dates of Survey while building { During progress of work in shops - - 3-24 January Feb 8-22-20 March 4-6-7-13-17-20
 { During erection on board vessel - - - July 14. Aug. 18. Sept 26-27
 Total No. of visits 15.

Dates of Examination of principal parts—Cylinders 4-13 March Covers 4-13 March Pistons 22-20 Feb Piston rods

Connecting rods Jan 24. March 4 Crank and Flywheel shafts 8 Feb. 7-13 March Intermediate shafts

Crank and Flywheel shafts, Material S M S Identification Marks 1729 Lloyd's HK/HO 24-1-39.

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers 1916 Lloyd's Ltd 50 RPM KK-11-5-30

Is this machinery duplicate of a previous case. Yes If so, state name of vessel *MT. Cecilia Amstrud 15561*

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

The Motor has been made under special survey in accordance with the approved plans & Secretary's letters. Workmanship throughout good, apparently fattened aboard & good.

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

The amount of Fee ... 990- : When applied for, 12-4-1939
 Travelling Expenses (if any) 16- : When received, 25-5-1939

Please see London Ltr 25-5-39
 FRI. 27 OCT 1939

Committee's Minute
 Assigned

See Amstr. J.E. 15788

E. M. Dreyfus
 Surveyor to Lloyd's Register of Shipping.



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