

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 1938 Last Survey 3 January 1939
Reg. Book. Number of Visits 7

on the ^{Single} ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel "CLAVELLA"

Tons { Gross 8097
Net 4710

Built at Rotterdam By whom built N.V. Rotterdamse Dredge Maatschappij Ward 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 Lelidrewe By whom made N.V. W. Smits & Co Contract No. 22320 When made 1938

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 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 Solid fuel 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 as fitted 55 mm Mid. length thickness 55 mm Thickness around eye hole

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 = 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 rotary 225 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 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. 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 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

excitant 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 E 22-3-30 Receiver 22-3-30 Separate Tanks

SHAFTING GEAR

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 9, 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 6 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 M S Identification Marks 44040'S 1725 QB+HR.B 20-11-30

Intermediate shafts, Material - Identification Marks -

Identification marks on Air Receivers 1919 Lloyd's test 50 APM Whampoa 20 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 24 Yard No 211

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

The amount of Fee ... 90-
 Travelling Expenses (if any) 6-
 When applied for, 21-1-1939
 When received, 31-1-1939

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

Committee's Minute
 Assigned
 TUE. 16 MAY 1939
 See Rot. J.C. 28728

