

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15792

24 OCT 1933

Date of writing Report 19 When handed in at Local Office 19 Port of Amsterdam  
 No. in Survey held at Amsterdam Date, First Survey 3 June Last Survey 6 Oct 1933  
 Reg. Book. Number of Visits 10  
 on the Single Twin Triple Quadruple Screw vessel Tons { Gross \_\_\_\_\_ Net \_\_\_\_\_  
 Built at Sunderland By whom built Lithgows Yard No. 920 When built 1939  
 Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_  
 Oil Engines made at Amsterdam By whom made N.K. Kromhout Motoren fab. Contract No. 9009 When made 1939  
 Generators made at \_\_\_\_\_ By whom made \_\_\_\_\_ Contract No. \_\_\_\_\_ When made \_\_\_\_\_  
 No. of Sets 1 Engine Brake Horse Power 32 Nom. Horse Power as per Rule 0 Total Capacity of Generators \_\_\_\_\_ Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel 2 K S 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. 1100 mm Weight 475 kg Means of ignition solid inject Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule as fitted Crank pin dia. 95 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis shrunk

as fitted 95 mm 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 Bosch Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Lubricating Oil Pumps, No. and size 1 - 325 L/hour

Air Compressors, No. 0 No. of stages 0 Diameters 0 Stroke 0 Driven by 0

Scavenging Air Pumps, No. 0 Diameter 0 Stroke 0 Driven by 0

AIR RECEIVERS:—Have they been made under Survey yes State No. of Report or Certificate 6130

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. 0 Cubic capacity of each 0 Internal diameter 0 thickness 0

Seamless, lap welded or riveted longitudinal joint 0 Material 0 Range of tensile strength 0 Working pressure by Rules 0

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 SM S Range of tensile strength 44.50 kg Working pressure by Rules 46.64 kg

ELECTRIC GENERATORS:—Type \_\_\_\_\_

Pressure of supply \_\_\_\_\_ volts. Full Load Current \_\_\_\_\_ Amperes. Direct or Alternating Current \_\_\_\_\_

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 \_\_\_\_\_

Generators, are they compounded as per rule \_\_\_\_\_ is an adjustable regulating resistance fitted in series with each

shunt field \_\_\_\_\_ Are all terminals accessible, clearly marked, and furnished with sockets \_\_\_\_\_

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched \_\_\_\_\_ Are the lubricating arrangements of the generators as per Rule \_\_\_\_\_

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 23-6-39 Receivers 23-6-39 Separate Tanks \_\_\_\_\_  
 (If not, state date of approval)

SPARE GEAR

The foregoing is a correct description,  
 KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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002784-002789-0089



Dates of Survey while building { During progress of work in shops - June 3, July 4, Sept 15-22-25-26-28 Oct 4-6  
During erection on board vessel -  
Total No. of visits

Dates of Examination of principal parts—Cylinders Sept 15-26-28 Covers Sept 20 Pistons 14 July Piston rods c

Connecting rods 20 Sept Crank and Flywheel shafts Sept 15-20 Intermediate shafts

Crank and Flywheel shafts, Material S M S Identification Marks 6360 HPB 20-9-29

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers 6120 Lloyd's list 5042 W.P. 25 H.P. HPB 3-6-29

Is this machinery duplicate of a previous case Yes If so, state name of vessel Ans report 15689. Lithgow's yard No 9

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 & Society's rules Material duly tested, workmanship good

The Motor has been shipped to Sunderland and will be fitted aboard Messrs Lithgow's Yard No 920

This engine has been efficiently installed in the vessel & tested out under full working conditions with satisfactory results.

Charles Y Hunter

Genuine 4/1/40

The amount of Fee ... £90-

Travelling Expenses (if any) £7-

When applied for,

17-10-1939

When received,

30.10.39

Burgdorff

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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