

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15661

Received at London Office

MAY 24 1939

Writing Report 15 May 1939 When handed in at Local Office

19

Port of Amsterdam

Survey held at

Amsterdam

Date, First Survey 25 Jan

Last Survey 27 April 1939

Number of Visits 11

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

SAROENA

Tons { Gross 6671
Net 3801

at Schiedam

By whom built

K.V. Wilton-Tijndam Yard No. 660

When built 1939

rs NEDERLANDSCH INDISCHE TANKSTOOMBOOT M.Y.

Port belonging to GRAVENHAGE

Engines made at Amsterdam

By whom made

K.V. Bromhout 402 fab. Contract No. 9093

When made 1939

ators made at Schiedam

By whom made

Willem Smits & Co

Contract No. 23574 When made 1930

f Sets 1

Engine Brake Horse Power 32

Nom. Horse Power as per Rule 0

Total Capacity of Generators 18 Kilowatts.

ENGINES, &c.—Type of Engines Bromhout K 53 2 or 4 stroke cycle 2 Single or double acting single

um pressure in cylinders 45 kg Diameter of cylinders 170 mm Length of stroke 225 mm No. of cylinders 2 No. of cranks 2

of bearings, adjacent to the Crank, measured from inner edge to inner edge 274 mm Is there a bearing between each crank

utions per minute 400 Flywheel dia. 1000 mm Weight 475 kg Means of ignition Solid state Kind of fuel used Diesel oil

k 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 shrunk Mid. length thickness 55 mm Thickness around eyehole

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

overnor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced

he cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material watercooled

ing Water Pumps, No. 12 rotary driven Is the sea suction provided with an efficient strainer which can be cleared within the vessel

icating Oil Pumps, No. and size 12 rotary 250 l/hour

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

enging Air Pumps, No. Diameter Stroke Driven by

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

h receiver, which can be isolated, fitted with a safety valve as per Rule Yes

he internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Cover

ere a drain arrangement fitted at the lowest part of each receiver Yes

Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

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

ting Air Receivers, No. one Total cubic capacity 75 l Internal diameter 250 mm thickness 7 mm

less, lap welded or riveted longitudinal joint Seamless Material SMS Range of tensile strength 44-50 kg Working pressure by Rules approved Net. 25 kg

ELECTRIC GENERATORS:—Type Compound

ssure of supply 110 volts Full Load Current 164 Amperes Direct or Alternating Current Direct

ternating 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

erators, 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

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

he generators are under 100 kw. full load rating, have the Makers supplied certificates of test and do the results comply with the requirements

he generators are 100 kw. or over have they been built and tested under survey

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

(If not, state date of approval)

IRE GEAR

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK
D. Goedkoop Jr., N.V.

Manufacturer.



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Foundation

005194-005209-0038

Dates of Survey while building { During progress of work in shops - Jan 25. Feb 5. 7. 8 April 3. 6. 14. 17. 20. 25. 27
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts—Cylinders 8 Feb 17 April Covers 25 Jan 3 April Pistons 25 Jan 14 April Piston rods

Connecting rods 8 Feb 17 April Crank and Flywheel shafts 8 Feb 6. 14 April Intermediate shafts

Crank and Flywheel shafts, Material SMS Identification Marks 1721 1721 1721

Intermediate shafts, Material Identification Marks H.K.H.D. 0-2-29

Identification marks on Air Receivers 5743 5743 5743
Lloyd's 1st 50 APR 14
W.P. 25 APR 14
4.7 PM 3.2.29
Hous am. 3.2.29

Is this machinery duplicate of a previous case Yes If so, state name of vessel MT Orabella kms up 15634

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

The Motor has been made under special survey in accordance with approved plans. Secretary's Letters and Society's rules
Material duly tested workmanship throughout good

The Motor has been shipped to Schiedam and will be fitted aboard
Mess Wilton-Tyngward Jara No 660-

The amount of Fee ... 8/90-
Travelling Expenses (if any) 8/4-
When applied for, 23-5-1939
When received, 1-9-39

Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Assigned
TUE. 28 NOV 1939
See Rot. 76-28666



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