

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 15610

APR 13 1939

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 Motoren Contract No. 0706 When made 1939

Generators made at Sluikhuizen By whom made Willem 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 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. 1000 Weight 475 kg Means of ignition Solid injectors 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 shrunk 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 Rotary 3000/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 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. 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 54 S 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 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 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 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

(If not, state date of approval)

SPARE GEAR

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr., N.V.

Manufacturer.



© 2021

Lloyd's Register
Foundation

003341-003348-0060

Dates of Survey while building
 During progress of work in shops - - 3.24 January Feb 8. 22. 28 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 22-28 Feb Piston rods

Connecting rods Jan 24. March 4 Crank and Flywheel shafts 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 HP 4 KK-11-5-30

Is this machinery duplicate of a previous case Yes If so, state name of vessel Mr. Cecilia Amersford 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

The amount of Fee ... 90- : When applied for, 12-4-1939
 Travelling Expenses (if any) 6- : When received, 25-5-1939

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

Committee's Minute

Assigned

See Amers. J.E. 15788

[Signature]
 Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register Foundation

Rpt. 13.

Date of writing

No. in Reg. Bo

Built at

Owners

Electrical

Is vessel

Have plans

Heating

has the gov

trip switch

if not com

arranged t

positive

test for m

of the gen

near unpr

injury an

contact

are they

and oil

material

semi-insu

Is the co

to pilot

side of s

a de

bal

and for

Are con

ammete

equalis