

pt. 4c.

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 1615.

Date of writing Report 5. 4. 1934 When handed in at Local Office 7. 4. 1934 Port of Bremen Received at London Office 12 APR 1934

No. in Survey held at Augsburg Date, First Survey 18th Sept. 1933 Last Survey 11th Nov. 1933 Reg. Book.

Single  
on the Twin  
Triple  
Quadruple

Screw vessel

DANUBE SHELL II

Number of Visits 18

Tons } Gross  
Net

Built at Budapest

By whom built Ganz &amp; Co.

Yard No. 1430 When built 1933/34

Owners Inland Waterways Co

Port belonging to London

Oil Engines made at Augsburg

By whom made Masch. Fabrik Augsburg-Nürnberg

Generators made at Budapest

By whom made Ganz &amp; Co

Contract No. 491 450 When made 1933

No. of Sets 1 Engine Brake Horse Power 1x45 Nom. Horse Power as per Rule 11.6 Total Capacity of Generators 30 Kilowatts.

Type of Engines 43 1/2 16/22 MAN heavy oil engine 2 or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders 50 at 1/2 Diameter of cylinders 160 1/2 Length of stroke 220 1/2 No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 202 1/2 Is there a bearing between each crank yes

Revolutions per minute 530 Flywheel dia. 1100 x 250 1/2 Weight 575 kg Means of ignition solid ign. Kind of fuel used Diesel oil (on fuel bed)

Crank Shaft, dia. of journals as per Rule 105 1/2 Crank pin dia. 105 1/2 Crank Webs Mid. length breadth 150 1/2 Thickness parallel to axis

Flywheel Shaft, diameter as per Rule 105 1/2 Intermediate Shafts, diameter as per Rule 13.5/8 1/2 Thickness around eyehole

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, worked from engine Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1, about 435 ltr/h at 550 rpm

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

Savenging Air Pumps, No. Diameter Stroke Driven by

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule yes

In the internal surfaces of the receivers be examined yes What means are provided for cleaning their inner surfaces cover on top

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

Working Air Receivers, No. 1 Total cubic capacity 55.6 ltr Internal diameter 249 1/2 thickness 9 1/2

Seamless, lap welded or riveted longitudinal joint Seamlon Material S. M. Steel Range of tensile strength 44-50 kg/cm<sup>2</sup> Working pressure by Rules 30 at 1/2

ELECTRIC GENERATORS:—Type

Pressure of supply volts. Load Amperes. Direct or Alternating Current

Is an alternating current system, state frequency of periods per second

Is the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off The governor of the engine has been tested on the fuel bed and was found to work satisfactorily

Generators, do they comply with the requirements regarding rating are they compound wound

Are they over compounded 5 per cent. if not compound wound state distance between each generator

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

ANS. Are approved plans forwarded herewith for Shafting yes, London letter 8.11.33 Receivers yes, London letter 14.6.32 Separate Tanks

(If not, state date of approval) 2102724

Draw. N. 925

ARE GEAR as per Rules.

The foregoing is a correct description.  
Maschinenfabrik Augsburg-Nürnberg A.-G.

Manufacturer.



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Foundation

008446-008454-0235



A copy of this report has been sent to the Census Surveyors

*Assigned*

When received,

~~Surveyor to Lloyd's Register of Shipping~~

L. J. French

menfabrik Aug

ing. Nürnberg

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