

EIVED

Sept 1944

D.O.

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No 11605.

Received at London Office  
 Date of writing Report 28<sup>th</sup> February 44 when handed in at Local Office  
 Port of Copenhagen 20 SEP 1945  
 Date, First Survey 31<sup>st</sup> Oct 1942 Last Survey 17<sup>th</sup> February 1944  
 No. in Survey held at Holeby "MONTE ABRIL"  
 Reg. Book. B.W. order YAVIERA AZNOR, Bilbao Tons { Gross -  
 Net -  
 Number of visits

Single  
 on the Twin  
 Triple  
 Quadruple  
 Built at - By whom built - Yard No. - When built -  
 Owners - Port belonging to -  
 Oil Engines made at Holeby By whom made 3/4 Holeby Dieselmotor Fabrik Contract No. 3725 When made 1944  
 Generators made at - By whom made - Contract No. - When made -

No. of Sets 1 Engine Brake Horse Power 55 Nom. Horse Power as per Rule 12.7 Total Capacity of Generators - Kilowatts  
 Type of Engine Vertical Diesel Frank piston Solid injection 2 or 4 stroke cycle 4 Single or double acting single  
 Maximum pressure in cylinders 49 kg/cm<sup>2</sup> Diameter of cylinders 205 mm Length of stroke 300 mm No. of cylinders 2 No. of cranks 2  
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 252 mm Is there a bearing between each crank yes  
 Revolutions per minute 500 Flywheel dia. 1250 mm Weight 1450 kg Means of ignition compression Kind of fuel used Heavy oil  
 Crank Shaft, dia. of journals as per Rule 113 mm as fitted 125 mm Crank pin dia. 125 mm Crank Webs Mid. length 295 mm Thickness parallel to axis -  
 as fitted 125 mm Mid. length thickness 65 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 18 mm

Is a governor or other arrangement fitted to prevent racing of the engine yes Means of lubrication Forced (oil wheel pump)  
 Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged  
 Cooling Water Pumps, No. 1 off 1.60 l/min Is the sea suction provided with an efficient strainer which can be cleared within the vessel -  
 Lubricating Oil Pumps, No. and size 1 off 3.95 l/min  
 Air Compressors, No. one No. of stages 2 Diameters 210 mm 176 mm Stroke 145 mm Driven by The engine through a friction clutch  
 Scavenging Air Pumps, No. - Diameter - Stroke - Driven by -

AIR RECEIVERS: Have they been made under Survey - State No. of Report or Certificate -  
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule - Can the internal surfaces of the receivers be examined -  
 What means are provided for cleaning their inner surfaces - Is there a drain arrangement fitted at the lowest part of each receiver -  
 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 - Internal diameter - thickness -  
 Seamless, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure by Rules -

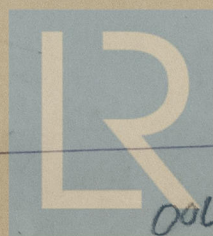
ELECTRIC GENERATORS: Type -  
 Pressure of supply - volts. Full Load Current - Amperes. Direct or Alternating Current -  
 If alternating current system, state the periodicity -  
 Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off yes  
 Generators, 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 Shottling yes Receivers - Separate Tanks -  
 (If not, state date of approval)  
 Spare gear as per Rules

The foregoing is a correct description,

AKTIESELSKABET  
HOLEBY DIESELMOTOR FABRIK

Manufacturer.



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Lloyd's Register

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Dates of Survey while building { During progress of work in shops } 3/10-4/11-42 10/9-15/9-6/12-43 6/1-17/2-44  
 { During erection on board vessel }  
 Total No. of visits 7.

Dates of Examination of principal parts - Cylinders and Covers 6/1-44 Pistons 6/1-44 Piston rods

Connecting rods 3/10-4/11-42-6/12-43 Crank and Flywheel shafts 10/9-15/9-6/12-43 Intermediate shafts

Crank and Flywheel shafts, Material S. M. S. Steel Identification Marks LLOYD'S NO 59954 6.12.43

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers

Is this machinery duplicate of a previous case yes If so, state name of vessel Holeby Standard engine 2.20

General Remarks (State quality of workmanship, opinions as to class, &c.) The above auxiliary engine has been built under special survey in accordance with the Rules and the approved plans of the engine shaft.

The material used in construction has been tested as required by the Rules and the workmanship is good.

On completion the engine & the manovering air compressors were tested under full power working conditions and found satisfactory.

(The Surveyors are requested not to write on or below the space for Committee Minutes)

The amount of Fee

£ 185.00

When applied for, 28.2.19 44

Travelling Expenses (if any)

£ 55.20

When received, 3.3.19 44

Committee's Minute

Assigned

J. Langhille Jones  
 Surveyor, Lloyd's Register of Shipping



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