

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

Date of writing Report 26/11, 1951. When handed in at Local Office 29/11, 1951. Port of HELSINGBORG. Received at London Office 3 DEC 1951

No. in Survey held at Landskrona Date, First Survey 27th August Last Survey 15th Nov. 1951. Reg. Book. 40179 on the ~~Triple~~ <sup>Single</sup> Screw vessel Motortanker "MARGIT GORTON". Number of Visits 8. Tons { Gross 10034 Net 5867 }  
 Built at Landskrona By whom built Öresundsvarvet A/B Yard No. 118 When built 1951  
 Owners Rederi A/B Gylfe Port belonging to Helsingborg  
 Oil Engines made at Gothenburg By whom made A/B Götaverken Engine Nos. 2446/7 Contract No. / When made 1951  
 Generators made at Vesterås By whom made A.S.E.A. Generator Nos. 2721381/3 Contract No. / When made 1951  
 No. of Sets 2 Engine Brake Horse Power 2x300 M.N. as per Rule 2 x 75 Total Capacity of Generators 400 Kilowatts.  
 Is Set intended for essential services Yes

**OIL ENGINES, &c.**—Type of Engines Heavy oil trunk type 2 or 4 stroke cycle 4 Single or double acting S.A.

Maximum pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks

Mean indicated pressure Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge

Is there a bearing between each crank Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) Revolutions per minute

Flywheel dia Weight Means of ignition Compr. Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis  
 as fitted shrunken Mid. length thickness Thickness round eye-hole

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>)  
 as fitted

Are means provided to prevent racing of the engine when detached Yes Means of lubrication Forced Kind of damper if fitted

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 FW & 1 SW á 750 lit./min. each and the main cooling water system. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size

Air Compressors, No. None No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. None Diameter Stroke Driven by

**AIR RECEIVERS:**—Have they been made under Survey Main air receivers see Rpt. / 4b. 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 Drip proof compound

Pressure of supply 220 volts Full Load Current 2 x 909 Amperes Direct or Alternating Current Direct Current

If alternating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full 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 and do the results comply with the requirements

If the generators are 100 kw. or over have they been built and tested under survey Yes

Details of driven machinery other than generator None

**PLANS.**—Are approved plans forwarded herewith for Shafting Receivers Separate Tanks

Have Torsional Vibration characteristics if applicable been approved 14.9.49 Armature shaft Drawing No.

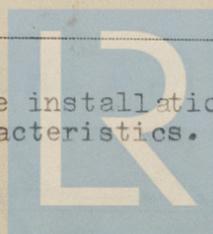
**SPARE GEAR** As per Rule supplied.

The foregoing is a correct description, and the particulars of the installation as fitted are as approved for torsional vibration characteristics.

ÖRESUNDSVARVET  
AKTIEBOLAG

T. Kaulboy

Manufacturer.



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Lloyd's Register  
Foundation

Dates of Survey while building  
 During progress of work in shops - -  
 During erection on board vessel - -  
 Total No. of visits 8

1951. Aug. 27. Sept. 3, 7. Oct. 11. Nov. 12, 13, 14, 15.

Dates of Examination of principal parts—Cylinders - Covers - Pistons - Piston rods -  
 Connecting rods - Crank and Flywheel shafts - Intermediate shafts -  
 Crank shaft { Material - Tensile strength -  
 Elongation - Identification Marks -  
 Flywheel shaft, Material - Identification Marks -  
 Identification marks on Air Receivers -

Is this machinery duplicate of a previous case No If so, state name of vessel -

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)

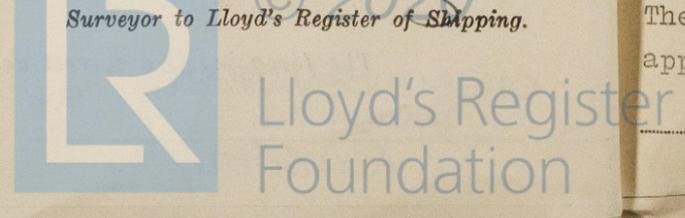
These auxiliary oil engines built under Special Survey as per Gothenburg First Entry report No. 18526 have been installed on board under my supervision and to my satisfaction and have been tested under full working conditions on a trial trip and found in order.

The amount of Fee ... £ : : When applied for -- 19  
 Travelling Expenses (if any) £ : : When received -- 19

FRI. 4 JAN 1952

Committee's Minute  
 Assigned See F.E. Melby - rpt

*Foster*  
 Surveyor to Lloyd's Register of Shipping.



501.48-T. (MADE AND PRINTED IN ENGLAND)  
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)

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