

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 2368.

Writing Report 12/6 1953 When handed in at Local Office 17/6 1953 Port of HELSINGBORG. Received at London Office 23 JUN 1953

Survey held at Landskrona Date, First Survey 8th April Last Survey 9th June, 1953

on the Single Screw vessel Motortanker "MADELEINE". Number of Visits 8

at Landskrona By whom built Öresundsvarvet A/B Yard No. 126 When built 1953

A/B Verna Port belonging to Helsingborg

Engines made at Gothenburg By whom made A/B Götaverken Engine No. 2504/05 When made 1953

Generators made at Västerås By whom made A.S.E.A. Generator No.s 2953565/68 When made 1952

of Sets 2 B.H.P. of each Set 250 M.N. of each Set as per Rule 50 Capacity of each Generator 165 Kilowatts

intended for essential services Yes

**ENGINES, &c.**—Type of Engines Heavy oil, trunk piston, DM<sup>240</sup>/360.H62 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 —

Span of bearings (i.e., distance between inner edges of bearings in way of a crank) —

Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) —

Revolutions per minute 450

Kind of fuel used Diesel oil

Means of ignition Compression

Kind of fuel used Diesel oil

Means provided to prevent racing of the engine Yes Means of lubrication Forced Kind of damper if fitted —

Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged

Water Pumps, No. and how driven 1 FW & 1 SW driven by an el. motor also coupled to main cool. water system. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes.

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

Air Pumps or Blowers, No. None How driven —

**RECEIVERS:**—Have they been made under Survey (Main air receivers see Rpt. 4 b) State No. of Report or Certificate —

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

Working Air Receivers, No. — Total cubic capacity — Internal diameter — thickness —

**ELECTRIC GENERATORS:**—Type Open ventilated.

Voltage of supply 220 volts. Full Load Current 2 x 750 Amperes. Direct or Alternating Current Direct Current

Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown off Yes Generators, are they compounded as per Rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes

Are the lubricating arrangements of the generators as per Rule Yes

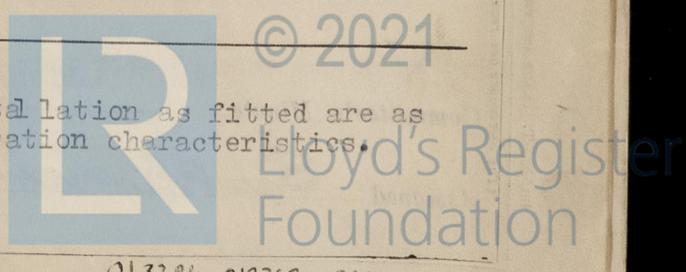
Are approved plans forwarded herewith for Shafting No (7.5.52) Receivers — Separate Tanks —

Torsional Vibration characteristics if applicable been approved Yes. 7.5.52 Armature shaft Drawing No. —

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

ÖRESUNDSVARVET AKTIEBOLAG Manufacturer.

T. Halboon



013284-013242-0286

Dates of Survey while building { During progress of work in shops - - } --  
 { During erection on board vessel - - } 1953 Apr. 8. May 7. June 1, 3, 4, 6, 8, 9.  
 Total No. of visits 8

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? See Gothenburg FE Rpt. 4c No. 19686.  
 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 the Gothenburg First Entry report No. 19686, have been installed under my supervision and to my satisfaction and have been tested under full working conditions on a trial trip and found in order.

411,532-T. (MADE AND PRINTED IN ENGLAND)  
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)

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

TUESDAY 21 JUL 1953

*F. J. ...*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 Assigned *See F.E. mch. rpt.*

