

# 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.  
 Survey held at Landskrona Date, First Survey 8th April Last Survey 9th June, 1953  
 on the Single Twin Triple Quadruple Screw vessel Motortanker "MADELEINE".  
 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  
 Motors made at Västerås By whom made A.S.E.A. Generator No. 2953565/68 When made 1952  
 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 —  
 Indicated pressure — Span of bearings (i.e., distance between inner edges of bearings in way of a crank) —  
 Distance between each crank — Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) —  
 Wheel dia. — Weight — Means of ignition Compression Kind of fuel used Diesel oil  
 Shaft, { Solid forged  
 Semi-built dia. of journals as per Rule —  
 All-built as fitted — Crank pin dia. — Crank Webs Mid. length breadth — Thickness parallel to axis —  
 Mid. length thickness — Thickness round eye-holes —  
 Wheel Shaft, diameter as per Rule — Generator armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) —  
 as fitted —  
 Means provided to prevent racing of the engine 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  
 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.  
 Lubricating Oil Pumps, No. and size —  
 Compressors, No. None No. of stages — Diameters — Stroke — Driven by —  
 Suctioning Air Pumps or Blowers, No. None How driven —

RECEIVERS:—Have they been made under Survey (Main air receivers see Rpt. 4 b)  
 other than main engines — State No. of Report or Certificate —  
 full details of safety devices —  
 Are the internal surfaces of the receivers be examined and cleaned —  
 Is there a drain arrangement fitted at the lowest part of each receiver —  
 Pressure Air Receivers, No. — Cubic capacity of each — Internal diameter — thickness —  
 Joint, lap welded or riveted longitudinal joint — Material — Range of tensile strength — Working pressure —  
 Suctioning Air Receivers, No. — Total cubic capacity — Internal diameter — thickness —  
 Joint, lap welded or riveted longitudinal joint — Material — Range of tensile strength — Working pressure —

ELECTRIC GENERATORS:—Type Open ventilated.  
 Voltage of supply 220 volts. Full Load Current 2 x 750 Amperes. Direct or Alternating Current Direct Current  
 Alternating current system, state the periodicity — 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  
 All terminals accessible, clearly marked, and furnished with sockets Yes Are they so spaced  
 so that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes  
 Generators are under 100 kw. full load rating, have the makers supplied certificates of test — and do the results comply with the requirements —  
 Generators are 100 kw. or over have they been built and tested under survey Yes  
 Is any driven machinery other than generator None

VS.—Are approved plans forwarded herewith for Shafting No (7.5.52) Receivers — Separate Tanks —  
 (If not, state date of approval)  
 Torsional Vibration characteristics if applicable been approved Yes. 7.5.52 Armature shaft Drawing No. —  
 (State date of approval and name of previous duplicate case, if any)  
 Is the spare gear required by the Rules been supplied Yes

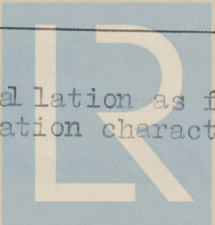
The foregoing is a correct description,

ÖRESUNDSVARVET  
 AKTIEBOLAG

T. Karlsson

and particulars of the installation as fitted are as approved for torsional vibration characteristics.

Manufacturer.



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Lloyd's Register  
 Foundation

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Dates of Survey while building { During progress of work in shops - -  
During erection on board vessel - -  
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.

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

TUESDAY 21 JUL 1953

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

T. J. ...  
Surveyor to Lloyd's Register of Shipping.