

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13096

Received at London Office

JAN 27 1941

of writing Report 17th Oct. 1940 When handed in at Local Office 5th Nov. 1940 Port of Eathenburg
in Survey held at Lysekil Date, First Survey 16th Oct. Last Survey 1940
Book. Number of Visits 1

on the Single } Screw vessel
Twin }
Triple }
Quadruple }
m/s "Glan." Tons { Gross
Net

at STOCKHOLM By whom built A.B. EKENSBERGS VARV Yard No. 177 When built -
Port belonging to SO THENBURG

Engines made at LYSEKIL By whom made A.B. SKANDIA-VERKEN Contract No. - When made 1940
Generators made at By whom made Contract No. - When made

of Sets ONE Engine Brake Horse Power 30 ✓ Nom. Horse Power as per Rule 76 Total Capacity of Generator 25 Kilowatts.

ENGINES, &c.—Type of Engines Heavy oil engine 2 or 4 stroke cycle 2 Single or double acting Single
Maximum pressure in cylinders 20 kg/cm² Diameter of cylinders 170 mm ✓ Length of stroke 140 mm No. of cylinders 2 ✓ No. of cranks 2 ✓
of bearings, adjacent to the Crank, measured from inner edge to inner edge 418 mm Is there a bearing between each crank No

Revolutions per minute 800 ✓ Flywheel dia. 500 mm ✓ Weight 120 kg. ✓ Means of ignition Compression Kind of fuel used Diesel oil
Crank Shaft, dia. of journals as per Rule 73 mm ✓ Crank pin dia. 80 mm ✓ Crank Webs Mid. length breadth 112 mm ✓ Thickness parallel to axis shrink
as fitted 80 mm ✓ Mid. length thickness 40 mm ✓ Thickness around eyehole shrink

Wheel Shaft, diameter as per Rule - Intermediate Shafts, diameter as per Rule - Thickness of cylinder liners 10 mm
as fitted - as fitted -

governor or other arrangement fitted to prevent racing of the engine when declutched Yes ✓ Means of lubrication Automatic lubricator
The cylinders fitted with safety valves Yes ✓ Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Water cooled ✓

ing Water Pumps, No. One at 18.7 l/min. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes ✓
icating Oil Pumps, No. and size Yes ✓

Compressors, No. - No. of stages - Diameters - Stroke - Driven by -
enging Air Pumps, No. - Diameter - Stroke - Driven by -

RECEIVERS:—Have they been made under Survey Yes ✓ State No. of Report or Certificate -
Each receiver, which can be isolated, fitted with a safety valve as per Rule Yes ✓

The internal surfaces of the receivers be examined Yes ✓ What means are provided for cleaning their inner surfaces Steam or soda ✓
Are a drain arrangement fitted at the lowest part of each receiver Yes ✓

Pressure Air Receivers, No. None Cubic capacity of each - Internal diameter - thickness -
less, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure by Rules -

ing Air Receivers, No. One Total cubic capacity 70 litres Internal diameter 300 mm thickness 6 mm
less, lap welded or riveted longitudinal joint Welded Material SM Steel Range of tensile strength 41-47 kg/cm² Working pressure by Rules 19.2 kg/cm² ^{20.45 kg}

ELECTRIC GENERATORS:—Type Direct
Voltage of supply volts. Full Load Current Amperes. Direct or Alternating Current

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
Generators, are they compounded as per rule is an adjustable regulating resistance fitted in series with each

field Are all terminals accessible, clearly marked, and furnished with sockets
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

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

ANS. Are approved plans forwarded herewith for Shafting 29.4.40 at Ent. Receivers 9.7.40 at Ent. Separate Tanks Yes ✓
(If not, state date of approval) Confirmed in Jan.

RED GEAR As per Rule supplied.

The foregoing is a correct description.

SKANDIA-VERKEN, A. B.

Manufacturer.

W. Leafstadius



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Lloyd's Register Foundation

5710-0175

31/1/41

Rep. 4.c.

No 13096.

Dates of Survey while building { During progress of work in shops - - } 17.10.40
 { During erection on board vessel - - - }
 Total No. of visits 1

Dates of Examination of principal parts—Cylinders 17.10.40 Covers 17.10.40 Pistons 17.10.40 Piston rods ✓

Connecting rods 17.10.40 Crank and Flywheel shaft 17.10.40 Intermediate shafts ✓

Crank and Flywheel shafts, Material S. M. Steel Identification Marks LLOYD'S No 789
 Sup. 23.9.40

Intermediate shafts, Material ✓ Identification Marks ✓

Identification marks on Air Receivers
 No 640
 LLOYD'S TEST
 40 Kg.
 W.P. 20 Kg.
 G.R. 12.7.40

Is this machinery duplicate of a previous case ✓ If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c. This auxiliary engine has been built under Special Survey. The crank chest as per forging report attached. The workmanship is good and all the requirements of the Rules have been complied with.

This engine for driving 25 KW dynamo & bilge pump
 See Skm Lr. 7/1/42

Im. 11.37.—Transfer. (MADE IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... 26.60:00 : When applied for, 20th Oct. 1940
 Travelling Expenses (if any) 16.15:20 : When received, 19.....

Steu Johnson
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 2 DEC 1941
 Assigned See Skm Lr. 5332

