

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

Made for best purposes

Received at London Office

Date of writing Report 21st Oct. 1941 When handed in at Local Office 1941 Port of Saathulburg
No. in Survey held at LYSEKIL Date, First Survey 20th Oct. Last Survey 1941
Reg. Book. Single on the Twin } Screw vessel Triple } Tons { Gross 1
Quadruple } Net 1
Number of Visits 1

Built at STOCKHOLM By whom built A.B. EKENSBERGJS VARV Yard No. When built
Owners Port belonging to
Oil Engines made at LYSEKIL By whom made SKANDIA-VERKEN A.B. Contract No. 221075 When made 1941
Generators made at By whom made Contract No. When made
No. of Sets 1 Engine Brake Horse Power 50 Nom. Horse Power as per Rule 17 Total Capacity of Generators 30 Kilowatts.

OIL ENGINES, &c.—Type of Engines Heavy oil engine 2 or 4 stroke cycle 25C Single or double acting 59
Maximum pressure in cylinders 20 kg/cm² Diameter of cylinders 190 Z Length of stroke 180 Z No. of cylinders 2 No. of cranks 2
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 472 Is there a bearing between each crank No
Revolutions per minute 800 Flywheel dia. 800 Z Weight 260 kg Means of ignition Hot bulb. Kind of fuel used Kerosene oil
Crank Shaft, dia. of journals as per Rule 90 Z Crank pin dia. 90 Z Crank Webs Mid. length breadth 124 Z Thickness parallel to axis
as fitted 90 Z Mid. length thickness 48 Z shrunk Thickness around eyehole
Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 15 Z
as fitted as fitted
Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Trued
Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Water cooled
Cooling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel
Lubricating Oil Pumps, No. and size One adjustable automatic lubricator.
Air Compressors, No. No. of stages Diameters Stroke Driven by
Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Steam & rods
Is there a drain arrangement fitted at the lowest part of each receiver Yes
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. One Total cubic capacity 70 litres Internal diameter 300 Z thickness 6 Z
Seamless, lap welded or riveted longitudinal joint Lap welded Material 57 steel Range of tensile strength 544-58.3 kg/cm² Working pressure by Rules 25.5 kg/cm²

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
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 Shafting 30.7.41 Receivers 9.7.40 Separate Tanks
(If not, state date of approval)

SPARE GEAR As per Rules supplied.

X No air receivers fitted

The foregoing is a correct description,
SKANDIA-VERKEN, A. B.
Ludrik Andersson Manufacturer.



Dates of Survey while building
 During progress of work in shops - - 20.10.41
 During erection on board vessel - - -
 Total No. of visits

Dates of Examination of principal parts—Cylinders 20.10.41 Covers 20.10.41 Pistons 20.10.41 Piston rods —

Connecting rods 20.10.41 Crank and Flywheel shaft 13/8 & 20/0 41 Intermediate shaft —

Crank and Flywheel shaft, Material SM. steel Identification Mark LLOYD'S No 986 23.13.41

Intermediate shafts, Material — Identification Marks —

Is this machinery duplicate of a previous case — If so, state name of vessel — *See receive: No 686 LLOYD'S TCST 40 H6/27 20.10.41 5.11.20.9.41*

General Remarks (State quality of workmanship, opinions as to class, &c. *This engine has been built under*)

Special Survey and all the requirements of the Rules have been complied with. The shafting as per forging report attached. The workmanship is good and the material fulfils the requirements of the Rules. The dimensions are as specified and in accordance with the Rules and approved plans. The engine has been tested under full working power on the test bed and found to work satisfactorily.

3/2 The amount of Fee ... *12/1 54.00* When applied for, 19...
 Travelling Expenses (if any) *12/1 17.65* When received, 19...

Sten Tolsson
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned



Im. 2. 36. — Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)