

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 18730.

17 JAN 1952

Survey Report 3.1. 19 52. When handed in at Local Office 14.1 19 52. Port of Gothenburg
Survey held at Gothenburg Date, First Survey 10.10.1951 Last Survey 20.12. 19 51.

on the Motor Tanker "S H E T L A N D"
Screw vessel. Tons Gross 10560 Net 6170
By whom built AB Lindholmens Varv Yard No. 1017 When built 1951.
A/S Det Dansk-Transke Dampskibsselskab Port belonging to Copenhagen
Hedemora By whom made AB Hedemora Verkstäder Engine Nos 53-54-55 When made 1951.
Odense By whom made Thomas B. Thrige AS. Generator No 3003544/45/46 When made 1951.
3 B.H.P. of each Set 3 x 210 M.N. as per Rule 3 x 53 Capacity of each Generator 140 Kilowatts.

GINES, &c.—Type of Engines Götaverken D.M. 240/360 H5 2 or 4 stroke cycle 4 Single or double acting S.
pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders 5 No. of cranks 5
Span of bearings (i.e., distance between inner edges of bearings in way of a crank)
bearing between each crank yes Moment of inertia of flywheel (16 m² or Kg.-cm.²)
Weight Means of ignition compr. Kind of fuel used diesel oil

Shaft, diameter Generator armature, moment of inertia (16 m² or Kg.-cm.²)
Means of lubrication forced Kind of damper if fitted none
Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged

Water Pumps, No. and how driven 1 el. driven SW and 1 ditto FW 500 l/min.
Oil Pumps, No. One on each engine
Compressors, No. none
Air Pumps or Blowers, No. none

RECEIVERS: been made under Survey yes State No. of Certificate Stockholm 7339.
safety valves on the receiver and the pipe line
Internal surfaces of the receivers be examined and cleaned yes
drain arrangement fitted at the lowest part of receiver yes

Pressure Air Receivers, No. none Cubic capacity of each Internal diameter thickness
Material Range of tensile strength Working pressure
Air Receivers, No. One Total cubic capacity 200 litres Internal diameter 400 m/m. thickness 15 m/m.
Material SM-Steel Range of tensile strength 41/47 kg/cm² Working pressure 30 kg/cm²

GENERATORS:—Type Drip proof compound
of supply 230 volts. Full Load Current 3 x 610 Amperes. Direct or Alternating Current direct current
Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown yes
Generators, are they compounded as per Rule yes is an adjustable regulating resistance fitted in series with each shunt field yes

Terminals accessible, clearly marked, and furnished with sockets yes Are they so spaced
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
Generators only

Are approved plans forwarded herewith for Shafting Receivers Separate Tanks 19.10.50.
Vibration characteristics if applicable been approved Armature shaft Drawing No.
Are gear required by the Rules been supplied yes

The foregoing is a correct description,

ARTIEBOLAGET LINDHOLMENS VARV

Maskinritörerna

Manufacturer.



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Lloyd's Register

011869-011876-2043

Dates of Survey while building } During progress of work in shops - - } 10.10. - 20.12.1951.
 } During erection on board vessel - - - }
 Total No. of visits 31

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

No. 763
Lloyds Test 80kg
WP 40 kg
SA 17.8.51.

Is this machinery duplicate of a previous case yes If so, state name of vessel {
 M.s. "SLIEDRECHT" L.V. Yard No. 1013
 M.s. "NERMA DAN" L.V. Yard No. 1015
 M.s. "CHRISTIANSBORG" L.V. Yard No. 1016

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These auxiliary engines have been on board under our inspection and to our satisfaction and have been tested under full working and found to work satisfactorily. Please see also Stockholm Certificate attached.

The auxiliary steam engine as per Nottingham Surveyors Certificate No. 13207 attached.

The heavy oil engine for harbour light generator as per Gothenburg Surveyors Certificate No. 13788 attached.

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

Committee's Minute
 Assigned See F.E. Welch, rpt.

TUES. 19 FEB 1952

Stein Johnson
 Surveyor to Lloyd's Register of Shipping



3m, 51.-T. (MADE AND PRINTED IN ENGLAND)
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)