

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11387.

13/4 4c.  
16/0  
11

Writing Report  
Date of opening  
28<sup>th</sup> June

When handed in at Local Office

Received at London Office

Survey held at Salundby - Skibsten 19 Port of Copenhagen 25 AUG 1945

Date, First Survey 14th June 39 Last Survey 3<sup>rd</sup> August 1941

Number of Visits 8

Single  
Twin  
Triple  
Quadruple

Screw vessel

"HENNING MÆRSK"

Tons { Gross 9842  
Net 5912

By whom built Skibsteden Skibsverft. Yard No. 93 When built 1941

Port belonging to Copenhagen

Engines made at Salundby

By whom made Holmfabriken Buhl & Søn Contract No. 4599 When made 1941

Generators made at Danish

By whom made Thomas B. Thorge Contract No. 233445 When made 1941

Engine Brake Horse Power 30/36 Nom. Horse Power as per Rule 27.6 Total Capacity of Generators 18 Kilowatts.

ENGINES, &c.—Type of Engines Vertical Diesel Multi. injection 2 or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders 49 kg/cm<sup>2</sup> Diameter of cylinders 135 mm Length of stroke 180 mm No. of cylinders 4 No. of cranks 4

Distance of bearings, adjacent to the Crank, measured from inner edge to inner edge 138 mm Is there a bearing between each crank yes

Revolutions per minute 600 Flywheel dia. 675 mm Weight 264 kg Means of ignition compression Kind of fuel used Heavy oil

Shaft, dia. of journals as per Rule 71.5 mm Crank pin dia. 85 mm Crank Webs Mid. length breadth 135 mm Thickness parallel to axis shrunk

as fitted 95 mm Mid. length thickness 37 mm Thickness around eye-hole shrunk

Intermediate Shafts, diameter as per Rule shrunk Thickness of cylinder liners 15 mm

as fitted shrunk Means of lubrication forced

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

Are the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Water Pumps, No. 1 off 800 litres/min

Lubricating Oil Pumps, No. and size 1 off 400 litres/min

Compressors, No. shrunk No. of stages shrunk Diameters shrunk Stroke shrunk Driven by shrunk

Manufacturing Air Pumps, No. shrunk Diameter shrunk Stroke shrunk Driven by shrunk

RECEIVERS:—Have they been made under Survey shrunk State No. of Report or Certificate shrunk

receiver, which can be isolated, fitted with a safety valve as per Rule shrunk

internal surfaces of the receivers be examined shrunk What means are provided for cleaning their inner surfaces shrunk

a drain arrangement fitted at the lowest part of each receiver shrunk

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

s, lap welded or riveted longitudinal joint shrunk Material shrunk Range of tensile strength shrunk Working pressure by Rules shrunk

g Air Receivers, No. shrunk Total cubic capacity shrunk Internal diameter shrunk thickness shrunk

s, lap welded or riveted longitudinal joint shrunk Material shrunk Range of tensile strength shrunk Working pressure by Rules shrunk

TRIC GENERATORS:—Type Drum proof machines Working pressure by Rules shrunk

re of supply 110 volts. Full Load Current 164 Amperes. Direct or Alternating Current direct

equating current system, state the periodicity shrunk Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off no

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

ld yes Are all terminals accessible, clearly marked, and furnished with sockets yes

so spaced or shielded 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 yes and do the results comply with the requirements yes

generators are 100 kw. or over have they been built and tested under survey shrunk

Are approved plans forwarded herewith for Shafting 4/1-39 Receivers no Separate Tanks no

GEAR as per Rules

The foregoing is a correct description,

NAKSOV SKIBSVÆRFT

Manufacturer.



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004603-004611-0038

Dates of Survey while building { During progress of work in shops - - 14/11-11/2-1939  
 { During erection on board vessel - - - 22/2-29/3-30/4-17/5-27/9-1940-3/11-1941  
 Total No. of visits 8

Dates of Examination of principal parts—Cylinders and Covers 14/11-39 Pistons 14/11-39 Piston rods -  
 Connecting rods 11/2-39 Crank and Flywheel shafts 14/11-39 Intermediate shafts -  
 Crank and Flywheel shafts, Material S. Cl. S. Steel Identification Marks LLOYD'S NO 4630 of 14.11  
 Intermediate shafts, Material - Identification Marks -  
 Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case *yes* If so, state name of vessel *Bukh Standard eng. Type*

General Remarks (State quality of workmanship, opinions as to class, &c. *The above generating set has been constructed and fitted under Special Survey in accordance with Rules, the approved plans and the requirements contained in Secretary's letters.*

*The material used in construction has been tested as required by the Rules, and the workmanship is good.*

10.5.37.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... *£175.00* When applied for, 6.11.41.  
 Travelling Expenses (if any) *£29.50* When received, 19.....

*J. Langhorne Jones*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI. 1 FEB 1946**  
 Assigned *See minute on p. 7th*

