

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10438.

Date of writing Report 10/11 1938 When handed in at Local Office 19 Port of Copenhagen
 No. in Survey held at Copenhagen - Odense Date, First Survey 10/10 36 Last Survey 11 19 38
 Reg. Book. 38482 on the Single Screw vessel "HÖEGH SILVERSTAR" Number of Visits 43

Tons { Gross 5415
 Net 3260

Built at Copenhagen By whom built Th. Bismark & Wain. Yard No. 631 When built 1937
 Owners SKIBS% NORUEGA, SKIBS% ARUBA, SKIBS% ABACO, SKIBS% ASTREA Port belonging to Oslo
 Oil Engines made at Copenhagen By whom made Th. Bismark & Wain Contract No. - When made 1937
 Generators made at Odense By whom made Th. B. Thinge Contract No. - When made 1937
 No. of Sets 3 Engine Brake Horse Power 3.180 Nom. Horse Power as per Rule - Total Capacity of Generators 360 Kilowatts.

OIL ENGINES, &c.—Type of Engines DIESEL, TRUNK PISTON, SOLID INJECT. 2 or 4 stroke cycled Single or double acting single

Maximum pressure in cylinders 49 kg/cm² Diameter of cylinders 220 mm Length of stroke 170 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 284 mm Is there a bearing between each crank yes

Revolutions per minute 400 Flywheel dia. 1200 mm Weight 1800 kg Means of ignition compression Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule 124 mm Crank pin dia. 150 mm Crank Webs Mid. length breadth 242 mm Thickness parallel to axis 88 mm

as fitted 150 mm (78 mm CENT. HOLE) Mid. length thickness 85 mm Thickness around eyehole 67.5 mm

Flywheel Shaft, diameter as per Rule 124 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 18 mm

as fitted 150 mm as fitted Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication forced

Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged

Cooling Water Pumps, No. ind. per cyl Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Lubricating Oil Pumps, No. and size 1 on each engine, gear wheel type, 5.5 l/h

Air Compressors, No. 1 on each engine No. of stages 2 Diameters 280 - 250 mm Stroke 190 mm Driven by engine direct

Scavenging Air Pumps, No. 1 on each engine Diameter ROTARY Stroke 22.5 mm Driven by CHAIN FROM SHAFT

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 cleaning

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. 1 Total cubic capacity 200 litres Internal diameter 380 thickness 11 mm

Seamless, lap welded or riveted longitudinal joint lap welded Material S.M. steel Range of tensile strength 42 kg/cm² Working pressure by Rules 35.3 kg/cm²

ELECTRIC GENERATORS:—Type D.C. drip proof, varnished

Pressure of supply 220 volts. Load 545 Amperes. Direct or Alternating Current direct

If alternating current system, state frequency of periods per second ✓

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes

Generators, do they comply with the requirements regarding rating yes are they compound wound yes

are they over compounded 5 per cent. yes, if not compound wound state distance between each generator ✓

is an adjustable regulating resistance fitted in series with each shunt field yes Are all terminals accessible, clearly marked, and furnished with sockets yes

are they 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

PLANS. Are approved plans forwarded herewith for Shafting yes Receivers ✓ Separate Tanks ✓

(If not, state date of approval)

SPARE GEAR 4 cylinder complete, 4 piston valves complete, 4 exhaust valves complete, 3 starting

valves complete, 1 escape valve complete, 1 piston comp, 1 gudgeon pin, 24 piston rings,

1 connecting rod top and bushes, 1 pair of conn. rod bottom end bushes with bolts,

1 pair of main bearing bushes, 2 main bearing slides, 2 chain links, 4 fine oil

pump clunks with pistons, 1 pair of crank pin bushes for compensation, 2 pairs

piston rings, sections of diesel engine valves, springs, bolts, nuts etc.

AKTIESELSKABET
 BURMEISTER & WAIN'S MASKIN OG SKIBSBYGGERI

A. Hornumøller

Manufacturer.



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2 for long, darky boots.
draughts - © 2021
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Port of

Copenhagen

Continuation of Report No. 10438 dated 9-1-1938

on the

Single h. motor ship "HÖEGH SILVERSTAR"

1	OFF 8 HP	electromotor	for the engine turning gear.
1	" 1.1-1.5 HP	"	" lasha
1	" 1 HP	"	" drilling machine.
1	" 0.5 "	"	" washing machine
1	" 0.75 "	"	" centrifugal drying machine.
1	" 22 "	"	" steering gear.
1	" 52 "	"	" windlass.
8	" 25 "	"	" cargo winches
2	" 33 "	"	" " " "
2	" 16 "	"	" " " "

and current for the water heaters in galley, heaters in laundry and the electric light installation.

Christoffer

THE ABOVE IS A CORRECT DESCRIPTION.

AKTIESELSKABET
BURMEISTER & WAIN'S MASKIN- OG SKIBSBYGGERI

A. Hennrich



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