

List of Spare Gear

for the machinery of the Single Screw Motor Vessel

"HØEGH MERCHANT" of Oslo.

Messrs. A/S. Burmeister & Wain's Yard No. 582

Main Engine No. 2247

Aux. Engines Nos. 2248, 2249, 2250.

Copenhagen Report No.

Main Engine:-Cylinders.1 top cylinder cover, cylinder liner, exhaust slide valve
liner with studs and nuts complete.

1 bottom do. do. do.

1 set of studs and nuts for one top cylinder.

1 set of studs and nuts for one bottom cylinder.

Oil fuel injection valves:-

3 oil fuel injection valves for top complete.

3 oil fuel injection valves for bottom complete.

3 valve spindles with bushes for top.

3 valve spindles with bushes for bottom.

20 atomizers with caps.

20 valve springs.

4 filters.

12 packings.

P.T.O.



© 2020

Lloyd's Register

W 42-0173(H8)

W 42-0173(28) (B)

2.

Starting air valves:-

- 1 starting air valve for top complete.
- 1 starting air valve for bottom complete.
- 2 valve spindles.
- 4 valve springs.
- 6 safety caps.

Safety valves:-

- 1 safety valve for top complete.
- 1 safety valve for bottom complete.
- 2 valve discs.
- 4 valve springs.

Pistons:-

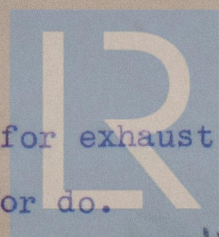
- 1 piston with piston rings, piston rod and sleeve complete.
- 2 sets of piston rings.
- 1 telescope pipe for piston cooling.
- 12 piston rod stuffing box packing rings.
- 5 piston rod scraping rings.

Exhaust slide valve.

- 1 top exhaust slide valve with rings complete.
- 1 bottom exhaust slide valve with rings complete.
- 1 bottom exhaust slide valve stuffing box complete.
- 24 packing rings.
- 2 telescopic pipes complete.

Brasses, studs and bolts:-

- 2 pair of crosshead bearing brasses.
- 4 crosshead bearing bolts and nuts.
- 1 pair of crank pin bearing brasses.
- 2 crank pin bearing bolts and nuts.
- 1 pair of crank pin bearing brasses for exhaust slide valve gear.
- 2 crank pin bearing bolts and nuts for do.



© 2020

Lloyd's Register
Foundation

W42-0173(218) 18

23/5;
9/8.

3.

Brasses, studs and bolts (Continued).

- 1 connecting rod top end bush for exhaust slide valve gear.
- 3 pair of main bearing brasses.
- 2 main bearing studs and nuts.
- 1 pair of main bearing brasses for exhaust valve crank shaft.
- 2 studs and nuts for do.
- 2 set of bolts and nuts for crank shaft coupling.
- 1 set of bolts and nuts for exhaust valve crank shaft coupling.
- 1 set of bolts and nuts for one intermediate shaft coupling.
- 1 set of studs and nuts for one cylinder cover.

Chain drive:-

- 10 links for duplex chain for exhaust valve gear.
- 4 links for chain to valve gear shaft.
- 10 links for chain to scavenge air blower.

Oil fuel injection pumps:-

- 3 pistons with bushes complete for top.
- 3 pistons with bushes complete for bottom.
- 10 springs.
- 6 guide rollers.
- 6 discharge pipes complete.
- 6 non return valves.
- 20 valve springs.

Scavenge air blowers:-

- 2 impellers and impeller shafts complete.
- 12 springs for coupling.
- 1 safety valve spring.



© 2020

Lloyd's Register

W42-0173(318)

W42-0173(318) B

4.

Bilge and sanitary pumps:-

- 1 suction valve complete.
- 1 discharge valve complete.
- 1 spring for safety valve.
- A number of springs of each size and design used.
- A number of packings of each size and design used.

Auxiliary oil engines:-

- 1 cylinder liner and cylinder cover complete.
- 1 set of studs and nuts for one cylinder cover.

Oil fuel injection valves:-

- 2 oil fuel injection valves complete.
- 2 valve spindles with bushes.
- 10 atomizers.
- 6 springs.
- 2 filters.

Exhaust valves:-

- 2 exhaust valves complete.
- 2 valve spindles complete.
- 1 guide roller with bolt.
- 6 springs.

Starting air valve:-

- 1 starting air valve complete.
- 2 valve spindles complete.
- 2 springs.

Safety valve:-

- 1 safety valve complete.
- 2 safety valve discs.
- 2 safety valve springs.



© 2020

Lloyd's Register

W42-0173(418)

W42-0173(418)

320 P. per min

5.

Pistons:-

- 1 piston complete with packing rings and gudgeon pin.
- 12 piston rings.
- 6 scrape rings.
- 1 bush for the gudgeon pin.
- 1 pair of crank pin brasses.
- 2 crank pin bolts and nuts.
- 2 links for chain drive to valve gear shaft.
- 2 links for chain drive to blower.
- 1 spring for governor.
- 1 ball bearing for do.

Oil fuel injection pump.

- 2 pistons complete.
- 2 springs.
- 2 guide rollers.
- 2 discharge pipes complete.
- 1 non return valve.

Scavenge air blowers:-

- 4 impellers and shafts.
- 6 roller bearings.
- 1 ball bearing.

Compressors:-

- 1 pair of crank pin brasses.
- 2 bolts for crank pin brasses.
- 10 H.P. piston rings.
- 4 H.P. scrape rings.
- 4 L.P. piston rings.
- 1 H.P. suction valve.
- 3 L.P. suction valves.
- 1 H.P. discharge valve.
- 2 L.P. discharge valves.



© 2020

Lloyd's Register

Foundation

W42-0173(5/8) 18)

320 200 per min

g to
Electr
By
ngle on

E

69

ce.

?

0/

rive

rive

22

9/8

6.

Compressors (Continued).

- 3 springs for H.P. suction valve.
- 3 springs for H.P. discharge valve.
- 3 springs for L.P. suction valve.
- 3 springs for H.P. discharge valve.
- 2 safety caps.

set of valves with seats and springs.

Ballast pump:-

- 2 suction valves.
- 2 discharge valves.
- 1 roller bearing.
- 1 spring for safety valve.

Bilge and sanitary pump.

- 1 suction valve.
- 1 discharge valve.
- 1 roller bearing.
- 1 spring for safety valve.

Cooling water pumps:-

- 1 ball bearing.
- 1 spring for safety valve.

Lubricating oil pumps:-

- 1 ball bearing.
- 1 spring for safety valve.

Lubricating oil cooler:-

- 55 tubes.
- 1 filter.

Oil fuel transfer pump:-

- 1 spring for safety valve.

Starting air receiver:-

- 1 spring for safety valve.



© 2020

Lloyd's Register

Foundation

W42-0173 (618)

320 80 p.w min

7.

Oil fired Donkey Boiler:-

- 1 spring for safety valve.
- 2 feed valve discs.
- 6 water gauge glasses.

Donkey Boiler feed pump.

- $\frac{1}{2}$ set of valves with seats and springs.

Propeller and shaft:-

- 1 cast iron propeller.
- 1 propeller shaft with key and nut.

General.

A quantity of assorted bolts and nuts and various packing materials.

Lengths of pipes of each size used for the oil fuel delivery to the main and auxiliary power cylinders and the air delivery from auxiliary air compressors to the air receivers with unions and flanges.

For the Generators:-

- 1 set of carbon brushes.
- $\frac{1}{4}$ set of brush holders.

For the electromotors working the various auxiliary pumps.

- 1 set of carbon brushes.
- $\frac{1}{4}$ set of brush holders.
- 5 ball bearings suitable for the various sizes used.

A quantity of fuses, switches, contact fingers, lamps, lamp holders, fittings &c. suitable for the electric installation.



© 2020

Lloyd's Register

W42-0173(718)

8.

For the electromotor working the oil pump to the electro
hydraulic steering gear.

1 armature with shaft complete.

1 set of carbon brushes.

$\frac{1}{4}$ set of brush holders.

L. Maurel.



© 2020

Lloyd's Register

W42-0142(818)

