

8551

List of Spare Gear

for

the M/S. "M u i n a m" of Copenhagen.

A/S. Nakskov Skibsværft's Yard No. 43.

Burmeister & Wain's Engines Nos. 1879-80.

Main Engines.

- 1 cylinder cover with studs and nuts.
- 1 set studs with nuts for one cylinder cover.
- 6 oil fuel injection valves complete.
- 3 spindles.
- 3 mouth-pieces.
- 1 overflow valve with union.
- 1 guide roller with shaft.
- 6 springs.
- 12 bursting caps.
- 1 air inlet valve complete.
- 1 guide roller with shaft.
- 6 + 6 springs.
- 12 exhaust valves complete.
- 3 spindles.
- 3 seats.
- 1 guide roller with shaft.
- 6 + 6 springs.
- 1 starting valve complete.
- 1 guide roller with shaft.
- 6 bursting caps.
- 6 springs.
- 1 cylinder escape valve.
- 6 springs.



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2.

- 1 piston complete.
- 12 piston rings.
- 4 scrape rings.
- 1 telescopic pipe.
- 1 pair of crank pin brasses.
- 2 crank pin bolts with nuts.
- 1 pair of crosshead brasses.
- 1 pair of main bearing brasses.
- 2 main bearing studs with nuts.
- 8 crank shaft coupling bolts with nuts.
- 1 ram for the oil fuel pressure pump.
- 1 suction valve.
- 1 delivery valve.
- 6 suction valve springs.
- 6 delivery valve springs.
- 1 safety valve spring.
- 6 N.R. valve springs.
- 1 suction valve for the main bilge pump.
- 1 discharge valve.
- 2 springs.
- 1 escape valve spring.

Main air compressors.

- 1 pair of crank pin brasses with bolts & nuts.
- 1 pair of crosshead brasses.
- 4 L.P. piston rings.
- 5 M.P.       "       "
- 7 H.P.       "       "
- 1 M.P. scrape ring.
- 1 H.P.       "       "
- 4 L.P. suction valves.
- 1 M.P.       "       "
- 1 H.P.       "       "



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Engines made at *Holuby* By whom made *Holuby Dieselmaschinenfabrik* Engines No. *353*

3.

4 L.P. delivery valves.

1 M.P. " "

1 H.P. " "

1 H.P. copper cooling coil with flange & union.

Sundry.

2 + 2 joining links for the camshaft chain drive.

1 set of all other springs used for one engine.

1 length of pipe of each size used for injection air, starting air and oil fuel injection.

Flanges & unions, rubber packings and packing material, bolts and studs with nuts &c.

Auxiliary Diesel engines.

1 cylinder complete with water jacket.

1 set studs with nuts for the valves of one cylinder cover.

2 escape valve springs.

1 air inlet valve complete.

2 + 2 springs.

1 starting valve complete.

2 springs.

3 exhaust valves complete.

2 valve discs.

2 + 2 springs.

1 guide roller with shaft.

3 oil fuel injection valves complete.

3 spindles.

2 springs.

2 overflow valve spindles.

1 guide roller with shaft.

1 piston.

1 gudgeon pin.



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Starting Air Receivers, No. *✓*

Total cubic capacity *✓*

Seamless, lap welded or riveted longitudinal joint *✓*

Material *✓*

Range of tensile strength *✓*

Working pressure *✓*



4.

- 18 piston rings.
- 3 scrape rings.
- 1 piston for oil fuel pressure pump.
- 1 suction valve.
- 1 delivery valve.
- 1 escape valve spring.
- 2 suction valve springs.
- 2 delivery valve springs.
- 1 pair of crank pin brasses with bolts and nuts.
- 1 connecting rod top end bush.
- 1 + 1 pair of main bearing brasses.
- 2 main bearing studs with nuts.

Auxiliary air compressors.

- 1 pair of crank pin brasses with bolts and nuts.
- 1 H.P. copper cooling coil with flange & union.
- 4 L.P. piston rings.
- 5 M.P. " "
- 7 H.P. " "
- 2 M.P. scrape rings.
- 1 H.P. " "
- 3 L.P. suction valves.
- 1 M.P. " "
- 1 H.P. " "
- 2 L.P. delivery "
- 1 M.P. " "
- 1 H.P. " "
- 2 springs for L.P. suction valves..
- 3 " " " delivery "
- 2 " " M.P. suction & delivery valves.
- 2 " " H.P. " " "
- 1 escape valve spring for L.P. cooler.



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5.

1 escape valve spring for M.P. cooler.

1 " " " " H.P. air receiver.

Assorted bolts & studs with nuts, rubber packing rings,  
packing material &c.

Electric fittings.

9 brush holders for dynamos.

18 carbon brushes.

$\frac{1}{2}$  set brush holders for each electromotor used.

1 set carbon brushes for " " "

1 armature for the steering gear electromotor.

1 " " " 3 ts. cargo winch "

Contact fingers & bars, resistance coils, brake magnet coils,  
insulating material, springs, fuses, lamps &c.

Sundry.

2 cast iron propellers (right and left hand).

1 propeller shaft complete with liner and nut.

1 set coupling bolts for intermediate shafting.

1 slide valve for the ballast pump.

2 guide blocks.

$\frac{1}{2}$  set valves for the bilge-sanitary pump.

1 safety valve spring for the donkey boiler.

1 feed check valve.

$\frac{1}{2}$  set valves for the feed pump.

10 water gauge glasses.

1 atomizer for the oil burner.



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Starting Air Receivers, No. Total cubic capacity

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure