

List of Spare Gear for

Burmeister & Wain's Engines No. 1581

Designated:- "MITSUI 10".

For Main Diesel oil engines.

Cylinder covers:-

One cover complete with studs and nuts fitted for fastening of cylinder liner, water jacket, valves etc.

One complete set of studs and nuts for one cover.

One safety valve complete.

Pistons.

One trunk piston with piston rings complete.

12 piston rings.

6 piston scraping rings.

2 telescopic cooling pipes with packings, spring etc.

Oil fuel injection valves.

3 fuel valves complete with springs etc. ready for use.

3 valve spindles and discs.

3 pressure spindles with liners.

6 atomizers.

1 spindle for the overflow valve.

Air inlet valves.

1 air inlet valve complete with spring etc. ready for use.

1 valve spindle and disc.

1 guide roller with pin complete for the valve lifting gear.

Exhaust valves.

6 exhaust valves complete with springs etc. ready for use.

3 valve spindles and discs.

3 steel nuts.



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- 3 bottom pieces for the valves.
- 3 thermometer fastenings.
- 1 guide roller with pin complete for the valve lifting gear.

Starting air valves.

- 1 starting valve complete with springs etc. ready for use.
- 1 valve chest.
- 6 safety caps.
- 1 guide roller with pin complete for the valve lifting gear.

Fuel oil pumps.

- 1 fuel oil pump complete with springs etc. ready for use.
- 3 pistons with bushes.
- 3 suction valves complete.
- 3 pressure pipes from the pump to the fuel valve with flanges etc. ready for use.
- 1 filter complete.
- 1 guide roller complete with ball-bearing etc.

Main bearings.

- 1 pair of main bearing brasses.
- 2 main bearing studs and nuts.

Connecting rods.

- 1 pair of crank pin bearing brasses.
- 2 crank pin bearing bolts and nuts.
- 1 pair of crosshead bearing brasses.
- 1 crosshead bearing gudgeon pin.
- 1 set of coupling bolts and nuts for crank shaft coupling.
- 10 chain links for the chain to the cam shaft gearing.
- 1 suction valve complete for the engine bilge pump.

- 1 delivery " " " " " "

A number of springs suitable for each size and design used at the engine.

For Auxiliary Diesel engines:-

One complete set of studs and nuts for one cylinder cover.

10 piston rings.

2 piston scraping rings.

1 air inlet valve complete with spring etc. ready for use.

1 guide roller with pin complete for the valve lifting gear.

2 oil fuel injection valves complete with springs etc. ready for use.

2 pressure spindles with chests and liners.

3 valve spindles with liners.

6 atomizers.

1 exhaust valve complete with spring etc. ready for use.

2 valve discs and spindles.

1 guide roller with pin complete for the valve lifting gear.

1 starting air valve complete with spring etc. ready for use.

2 fuel oil pump pistons with pump chest and liner.

1 slide valve chest with slide valve and bush.

2 suction valves complete.

1 filter.

2 pair of main bearing brasses.

2 main bearing studs and nuts.

1 pair of crank pin bearing brasses.

6 crank pin bearing bolts and nuts.

1 pair of crosshead bearing brasses.

1 crosshead bearing gudgeon pin.

Auxiliary air compressors.

8 L.P. piston rings.

10 H.P. piston rings.

4 H.P. piston scraping rings.

1 L.P. suction valve complete with seat, spring etc. ready for use.

1 L.P. delivery " " " " " " " "

1 H.P. suction " " " " " " " "

1 H.P. delivery " " " " " " " "



A number of springs suitable for each size and design used at the auxiliary engine.

2 valve spindles suitable for the valves on the starting air receiver.

1 spring for the safety valve on starting air receiver.

A number of assorted india rubber packing rings suitable for each size used.

A quantity of "Krupps" and "Palmetto" packing material.

A quantity of assorted bolts and nuts.

Ballast pump.

1 wing and 2 guide blocks.

Bilge and sanitary pumps.

1 suction valve complete with seat and spindle.

1 delivery " " " " " "

1 ball bearing.

1 spring for the escape valve.

Cooling water pump.

2 ball bearings.

1 spring for escape valve.

Lubricating oil pump.

1 roller bearing.

1 filter basket.

1 spring for the safety valve on the oil cooler.

Oil fuel pump.

1 spring for the escape valve.

1 filter basket.

Generators and Electro Motors.

1 set of carbon brushes and $\frac{1}{2}$ set of brush holders for each of the 70 K.W. and 35 K.W. generators.

5.

1 set of carbon brushes and $\frac{1}{2}$ set of brush holders for each of the 20 H.P., 15 H.P., 9 H.P. and 3 H.P. electro motors.

Carbon brushes & brush holders for 20 H.P. motor 1/0
Carbon brushes & brush holders for 15 H.P. motor 1/0
Carbon brushes & brush holders for 9 H.P. motor 1/0
Carbon brushes & brush holders for 3 H.P. motor 1/0



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Burmester & Wainwright
No. 9
No. 1581.

Designated "MITSUI 10"

Copenhagen Report No. 8011.

1 set of carbon brushes and 1 set of brush holders for each
of the 20 H.P., 12 H.P., 9 H.P. and 3 H.P. electric motors.