

List of Spare Parts for

Burns & Watson's Engines No. 1584

Designated: - "MITSUI 11".

For Main Diesel Engine.

Cylinder covers:-

One cover complete with studs and nuts fitted for fastening of
cylinder liner, inlet valve, etc.
One complete set of studs and nuts for two covers.
One safety valve complete.

Pistons.

One trunk piston with piston rings complete.

12 piston rings.

6 piston scraping rings.

2 telescopic cooling pipes with packing.

Valve mechanism and fuel.

1 fuel valve complete with springs etc. ready for use.

1 valve spindle and guide.

1 pressure spindle with liners.

6 atomizers.

1 spindle for the overflow valve.

Air inlet valve.

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

1 valve spindle and guide.

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

Exhaust valve.

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

1 valve spindle and guide.

1 stud and nut.



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For dual (two) 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 feed injection valves complete with springs etc. ready
for use.

2 pressure spinners with chests and liners.

3 valve spinners 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 braces.

2 main bearing studs and nuts.

1 pair of crank pin bearing braces.

6 crank pin bearing bolts and nuts.

1 pair of crosshead bearing braces.

1 crosshead bearing gudgeon pin.

Auxiliary air compressors.

6 L.P. piston rings.

10 H.P. piston rings.

4 H.P. piston scraping rings.

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

1 L.P. delivery

1 H.P. suction

1 H.P. delivery



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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.

Silge 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 Electric Motors.

1 set of carbon brushes and $\frac{1}{2}$ set of brush holders for each of
the 75 K.W. and 3 K.W. generators.



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5.
These are for special hours for the 1/2 and 1/4 hour periods for the
of the 20 H.P., 15 H.P., 9 H.P. and 3 H.P. electric motors.



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