

Mitsubishi Dockyards, Nagasaki. - Ship No. 412.

Spare Gear to Lloyd's for 3 x 4RH31.

- 6 Coupling bolts for crankshaft.
- 2 Studs for main bearing caps.
- 8 Studs for cylinder cover.
- 1 Fuel valve complete.
- 1 Starting air valve.
- 1 Relief valve for working cylinder.
- 6 Fuel valve needles with bushes.
- 2 Bolts, nuts and split pins for the connecting rod.
- 6 Piston rings for the working piston.
- 1 Scraper ring for the working piston.
- 1 Scraper ring for the scavenge pump.
- 4 Plungers and bushes for the fuel pump.
- 8 Fuel pump valves.
- 32 Scavenge pump valve discs.
- 6 Valves for ~~cooling water~~ and oil pumps.
- 1 Set of fuel pipes with nipples etc.
- 1 Piston and rod for oil pump complete.

Further spare gear included in the price of engine.

- 6 Fuel valve spindles. *with bushes*
- 8 Fuel pump plungers. " "
- 12 ~~8~~ Fuel valve nozzles. " "
- 12 ~~8~~ Fuel valve pulverizers.
- 30 Piston rings.
- 1 Set of joints.
- 1 " " *springs*

Spare Gear to Lloyd's for 1 x 2RH24.

- 6 Coupling bolts for crankshaft.
- 2 Studs for crankshaft bearing.



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- 8 Studs for cylinder cover.
- 1 Complete fuel valve.
- 1 Complete starting air valve.
- 1 Fuel valve spindle with bush.
- 8 Scavenge air disc valves.
- 2 Bolts for connecting rod.
- 6 Piston rings 240 dia.
- 4 Fuel pump valves.
- 2 Pistons and bushes for fuel pump.
- 2 Valves and seats for cooling water pump.
- 1 Complete length of fuel piping.
- 1 Valve for oil pump.
- 1 Set of wheels for cog wheel oil pump.

1 Relief Valve for Cylinder cover.

Further spare gear included in engine price.

- 1 fuel valve spindle and bush.
- 2 Fuel valve nozzles.
- 2 Fuel valve pulverisers.
- 1 Set of springs.
- 1 Set of joints.

4 Piston rings for hand compressor.

Spare Gear to Lloyd's for 1 x MC6.

- 2 Bolts for crankshaft bearing.
- 2 Scavenging air suction valve discs.
- 1 Flame plate.
- 1 Complete fuel valve.
- 1 Pulverising spiral.
- 1 Pulverising nozzle.
- 2 Connecting rod bolts complete.
- 5 Engine piston rings.
- 5 Piston rings for 2nd stage.
- 5 Piston rings for 1st stage.



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- 1 Starting valve,
- 2 Fuel pump valves,
- 1 Fuel pump plunger,
- 1 Suction valve for 1st stage,
- 1 Discharge valve for 1st stage,
- 1 Suction valve for 2nd stage,
- 1 Discharge valve for 2nd stage,
- 2 Valves for cooling water pump,
- 3 Valves for cylinder lubricating oil pump,
- 1 Suction of piping for fuel and H.P. air.

Further spare gear included in price of the compressor.

1 Set of springs.

1 Set of spare parts to Lloyd's for 1 reserve cooling water pump.

- 1 Impeller,
- 1 Front bearing liner,
- 1 Rear bearing liner,
- 1 Shaft with keys.

1 Set of spare parts to Lloyd's for motor for reserve cooling water pump.

- 1 Set bearing bushes,
- 1 Set Brush holders,
- 1 Set brushes.

1 Set of spare parts to Lloyd's for 4 HP lubricating oil pump.

1 Set of gear wheels with axles.

1 Set of spare parts to Lloyd's for 4 HP motor for lubricating oil pump.

- 2 Bearing bushes,
- 1 Set brush holders,
- 1 Set brushes.

Spare Gear for 2 Blowers and Starters.

BLOWERS:

- 1 Set of joints,
- 1 Thrust bearing bushes (compl to for 1 bearing)
- 1/10 of all bolts, nuts and studs, minimum 2 of each kind

MOTORS :

- 1 Supporting bearing bush (complete for 1 bearing),
- 1 Field coil,
- 1 Interpole coil,
- 1 Set of brush holders,
- 3 Sets of carbon brushes,
- 1/10 all bolts, nuts and studs, minimum 2 of each kind.

STARTERS :

- 1 Set (3 pieces) contact fingers,
- 1 Set sparking contacts,
- 1 Set (4 pieces) blow out coils,
- 1 Ho-volt coil,
- 1 Set springs = 1 of each spring on a starter,
total 6 springs.

SPARE PARTS FOR 3 DYNAMOS.

- 1 Field pole coil,
- 1 Interpole coil,
- 1 Bearing bush,
- 1 Set of brush holders,
- 1 Set of carbon brushes.

SPARE GEAR FOR 1 GENERATOR.

- 1 Field pole coil,
 - 1 Interpole coil,
 - 1 Bearing bush,
 - 1 Set of brush holders,
 - 1 Set of brushes.
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