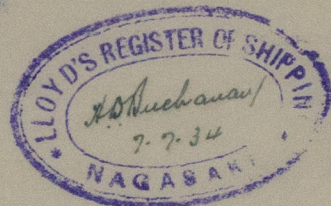


*Kano Maru*  
*Yasaka*  
*15-5343*

MITSUBISHI NAGASAKI ENGINE No.555.

LIST OF SPARE GEARS FOR MAIN ENGINE.



- 1 crank pin bearing with bolts & nuts.
- 2 crosshead bearings with bolts & nuts.
- 14 coupling bolts for crank shaft.
- 1 main bearing complete.
- 4 " " bolts.
- 1 " " for scavenging pump crank shaft.
- 4 " " bolts " " " "
- 2 top cylinder covers complete.
- 2 bottom " " "
- 2 top cylinder liners.
- 2 bottom " " "
- 4 stuffing box packing rings complete.
- 1 set scavenging valves for one cylinder.
- 1 set cyl.lubricating socket with N.R.valve for one cylinder.
- 36 cylinder cover studs (18 top & 18 bottom).
- 4 fuel valves complete for top cylinder.
- 7 " " " " bottom " "
- 14 needle valves with guide bush for top cylinder fuel valves.
- 20 " " " " " " bottom " " "
- 4 guide rods for top cylinder fuel valves.
- 7 " " " " bottom " " "
- 21 fuel valv spring (7 top & 14 bottom).
- 12 fuel oil priming valves.
- 2 sets starting air valves complete.
- 1 valve spindle with spring for starting air valve.
- 1 " seat for starting air valve.
- 2 starting valve springs.
- 1 set packing ring for starting valve (6 off).
- 2 cylinder releif valves (1 top & 2 bottom).
- 21 " " " and seats (7 top & 14 bottom).
- 9 " " " valve springs (3 top & 6 bottom).
- 11 Indicator valves complete (4 top & 7 bottom).
- 9 " " and seats (3 top & 6 bottom).
- 2 pistons complete with rings & rods ready for fitting.
- 42 piston rings.
- 2 sets oil scraper rings in crank case.
- 1 fuel oil service pump complete.
- 2 sets water gland & packing for piston rod.
- 2 sets telescopic pipes complete.
- 2 injection nozzle pieces.
- 2 sets telescopic tube glands.
- 56 rubber ring packing for N.R.valve of piston cooling.
- 2 internal pipes for piston cooling water.
- 1 bracket for piston rod cooling water connection with dipping pipe.
- 14 adjusting liners for guide bars.
- 1 set gear wheels for cam shaft (3).
- 3 fuel pumps complete.
- 4 " " plungers with guides and springs.
- 14 copper liners for plungers.
- 8 suction & 8 delivery valves, seats & springs for fuel pumps.
- 4 fuel pump safety valves with seats & springs.
- 4 ahead & 2 astern cams complete with extra pins rollers bushes, springs and guide pieces.
- 2 push rods & springs for pilot valves of fuel pump.
- 8 sets fuel pipes (4 top & 4 bottom) from pump to valves.
- 1 set cam shaft bearings with bolts & nuts.
- 1 valve with seat & spring for manoeuvring gears.
- 2 piston rings for air piston & manoeuvring gear.
- 2 springs & gears wheel for governor.
- 1 cylinder lub.oil pump complete.

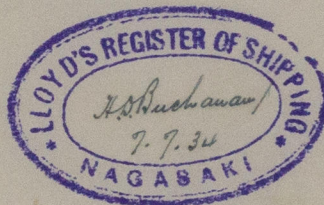
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9 sets suction & 9 sets discharge valves for scavenging pump.  
5 flat valves for scavenging pump.  
1 set piston rings for scavenging pump.  
1 set piston rods metallic packing for scavenging pump.  
1 set piston rod bushes for scavenging pump.  
1 crank brass with bolts & nuts. for scavenging pump.  
2 crosshead brasses with bolts & nuts for scavenging pump.  
7 thrust pads for main thrust block.  
1 set journal bearing brasses for thrust block.  
4 filter elements for fuel pumps suction.  
1 fuel valve test pump complete.  
A large number of bolts, nuts, springs and iron of various sizes.  
One pressure gauge & thermometer of each size used.



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