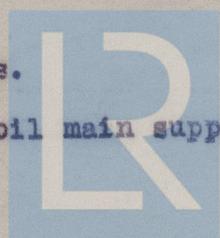


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Please attach to Kobe Rpt No. 6863

Spare Gears List For Dynamo Engine, Ship No. Nagasaki 471.

- 2 off Cylinder Covers.
- 1 set Studs & nuts for one cylinder cover.
- 2 off Cylinder liners with packing rings.
- 6 off Fuel valves complete with valve cage & spring ready for use.
- 4 off Needle valves for fuel valve.
- 6 " Springs for do.
- 3 " Air inlet valves complete with valve cage spring & seats ready used
- 3 " Air inlet valves with seat.
- 12 " Exhaust valves complete with valve cages, seats & springs.
- 24 " Air inlet & exhaust valve springs.
- 2 " Starting air valves complete with cage valves, seats & springs.
- 1 " Starting air valves.
- 3 " Springs for do.
- 2 sets. Each kind of cam rollers.
- 3 off. Safety valves complete with cages, valves, & springs.
- 3 " Springs for do.
- 2 " Pistons complete with rings and pins.
- 6 sets. Piston rings for do.
- 1 " Connecting rod complete with top & bottom bearing brasses, and bolts and nuts.
- 3 " Top & bottom bearing brasses with bolts & nuts for connecting rod.
- 2 " Main bearing brasses with bolts & nuts.
- 1 " Bolt and nut for do.
- 1 " Gear wheels for upper and lower cam shaft drive.
- 1 " Plungers for fuel pump for one engine.
- 1 " Suction and delivery valves for fuel pump.
- 1 " Packings for do.
- 6 off Each kinds of springs for do.
- 3 sets. Springs for governor.
- 3 " Gum packing ring used in one engine between cylinder & cover.
- 1 " Each kind of valve levers.
- 1 " Cooling water & lubricating oil pump valves with seats for one engine.
- 1 " Each kind of pressure gauges.
- 3 off Fuel pipes connecting fuel oil main supply pipe & fuel valves.



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- 3 sets. Each kind of strainers.
- 2 off Each kind of other strainer element.
- 1 set Each kind of spring excluding those specified above.
- 1 " Each kind of bolt do.
- 1 " Complete set of packings for one engine excluding those specified above.
- 1 " Nonreturn valves for fuel pumps.
- 1 off Piston for cooling water pump complete with plunger & rod.
- 1 " Cooling water pump plunger with rod.
- 1 " Tube nest complete for lubricating oil cooler.
- 1 set Cam shaft bearing brass with studs and nuts.
- 1 " Working parts of fuel pump.
- 1 " Ball bearings (N.S.K. & S.K.F.)
- 2 sets. Union nuts and Nipples.
- 3 off Fuel cams with set bolts.
- 1 " Inlet cam.
- 1 " Exhaust cam.
- 1 " Crank shaft (for 12 Engines.)
- 1 " Plunger for emergency hand pump.



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