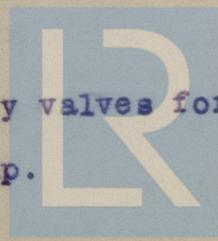


Kobe Shipyard & Engine Works, Mitsubishi
Shipbuilding & Engineering Co., Ltd.

Spare gears list for Dynamo engine Nagasaki Ship No.491

Eng. No. 122, 123 & 124.

- | | | |
|-----|-------------|---|
| 1. | 1 off | Cylinder cover. |
| 2. | 1 set | Studs & nuts for one cylinder cover. |
| 3. | 1 set | Fuel oil valve (complete). |
| 4. | 5 off | Needle valves for fuel oil valve. |
| 5. | 3 off | Nozzles. |
| 6. | 3 off | Springs for fuel oil valve |
| 7. | 1 set | Air inlet valve (complete). |
| 8. | each 3 off | Air inlet valves & valve seats. |
| 9. | 3 sets | Exhaust valve (complete). |
| 10. | each 2 off | Ex-haust valves & valve seats. |
| 11. | each 3 sets | Springs for exhaust valve & air inlet valve. |
| 12. | 1 set | Air starting valve & indicator valve (complete). |
| 13. | 1 set | Safety valve & indicator valve (complete). |
| 14. | 1 set | Piston complete with piston rings. |
| 15. | 3 sets | Piston rings. |
| 16. | 1 off | Gudgeon pin brass. |
| 17. | 1 set | Crank pin brass complete with bolts & nuts. |
| 18. | 1 set | Main bearing brass complete with studs & nuts. |
| 19. | 1 cylinder | Rollers & pins for valve lever. |
| 20. | 1 off | Fuel cam complete with bolts & nuts. |
| 21. | 2 off | Plangers for fuel oil pump. |
| 22. | each 2 off | Suction, I.M. valve, delivery valves for fuel oil pump. |
| 23. | 2 off | Ball valves for fuel oil pump. |



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- 24. 10 off Each kind of springs for suction delivery plunger & Etc.
- 25. 1 set Priming mover for fuel oil pump.
- 26. 4 off (2 sets) Main springs for governor.
- 27. 1 off Auxiliary springs for governor.
- 28. 2 sets Valves, valve seats & springs for lubricating & cooling pump.
- 29. 1 off Pressure gauge for fuel oil pump.
- 30. 15 off Each kind of springs.
- 31. 1 set Ball bearing for governor.
- 32. 1 set Fuel oil pipes.
- 33. 1 set Each kind packings for one engine.
- 34. each 1 set
- 35. 11 off Zinc plates.



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