

Kobe. 4th. July 1924

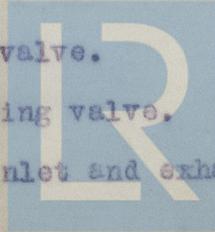
KOBE REPORT No. 4469

List of spare gear for the machinery constructed
by Messrs. Burmeister & Wain (Eng. No. 996) supplied to Messrs.
Mitsui Bussan Kaisha's Motor Vessel Yard No. 63.
S/S "AKAGISAN MARU"

Main Diesel Oil Engines:-

- 1 Cylinder cover with studs &c. complete.
- 1 Pair of crank pin brasses with bolts and nuts.
- 2 Pair of crosshead " " " "
- 1 Pair of main bearing brasses.
- 4 Studs with nuts for the main bearings.
- 1 piston complete with piston rod.
- 3 Set piston packing rings.
- 3 Set scraps rings.
- 6 Exhaust valves complete.
- 3 Seats for do.
- 2 Air inlet valves complete.
- 2 Starting valves complete.
- 3 Oil fuel injection valves complete.
- 3 Spindles for do.
- 6 Mouth pieces for do.
- 1 Roller with shaft for fuel valve.
- 1 " " " " starting valve.
- 1 " " " " air inlet and exhaust valves.

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0 ft.

Capac

Tons.

9.0

3.0

7.0

9.0

0.0

3, 2

23, 2

59 ft.

- 3 pistons for the oil fuel pump.
- 1 suction valve for the oil fuel pump.
- 1 delivery valve for the oil fuel pump.
- 6 packing rings for oil fuel pump.
- 1 regulator rocker for oil fuel pump.
- 1 set studs for one cylinder cover.
- 12 coupling bolts with nuts for crank shaft.
- 12 " " " " " tunnel shafts.
- 1 cast iron propeller.
- 1 bronze propeller.

Main air compressor.

- 1 pair of main bearing brasses.
- 1 pair of crank pin brasses with bolts.
- 1 pair of crosshead brasses.
- 4 studs with nuts for the main bearings.
- 1 H.P. suction valve complete.
- 1 H.P. delivery valve complete.
- 1 I.P. delivery valve complete.
- 1 I.P. suction valve complete.
- 5 L.P. suction valves complete.
- 5 L.P. discharge valves complete.
- 7 H.P. piston packing rings.
- 1 H.P. scrape ring.
- 5 I.P. piston packing rings.
- 1 I.P. scrape ring.
- 4 L.P. piston packing rings.
- 2 cooling coils for H.P. compressor.



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18 brass tubes for air coolers.

2 valve discs for bilge pump.

2 valve seats for do.

2 valve seats for sanitary pump.

2 valve discs for sanitary pump.

One complete set of all springs used.

Packing material, assorted india rubber rings and leather collars.

Auxiliary Diesel oil engines with air compressors.

1 pair of crank pin brasses with bolts and nuts.

1 pair of crosshead brasses.

1 pair of main bearing brasses.

4 studs with nuts for main bearings.

1 piston with packing ring.

6 piston packing rings.

1 scrape ring.

2 exhaust valves complete.

2 exhaust valve discs.

2 oil fuel injection valves complete.

2 injection valve spindles.

1 starting valve complete.

1 roller with shaft for starting valve.

1 roller with shaft for oil fuel injection valve.

1 roller with shaft for air inlet & exhaust valves.

1 piston for the fuel oil pump.

1 suction valve for fuel oil pump.

- 1 delivery valve for fuel oil pump.
- 12 studs with nuts for cylinder covers.
- 1 H.P. suction valve for air compressor.
- 1 H.P. delivery valve for air compressor.
- 1 I.P. delivery valve for air compressor.
- 1 I.P. suction valve for air compressor.
- 3 L.P. suction valves for air compressor.
- 2 L.P. delivery valves for air compressor.
- 1 H.P. cooling coil.
- 7 H.P. piston packing rings.
- 1 H.P. scrape ring.
- 5 I.P. piston packing rings.
- 2 I.P. scrape rings.
- 4 L.P. piston packing rings.
- 20 brass tubes for air coolers.

One complete set of all springs used.

Packing material and assorted caoutchouk rings and leather collars.

Auxiliary Machinery.

- 1 suction valve disc for the bilge & sanitary pump.
- 1 delivery valve disc for the bilge & sanitary pump.
- 2 suction valve seats for do.
- 1 wing and 2 guide blocks for the rotary ballast pump.



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Steel tubes in suitable lengths for the starting air, oil fuel and air injection.

A number of assorted bolts with nuts and pin bolts.

1 set of brushes & brush holders for one dynamo.

1 do. do. for one electro-motor.

$\frac{1}{2}$ set field magnets for dynamo.

1 set " " of each size for eletro-motor.



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