

No. 1208.

LLOYD'S

Main Engine Spare Gear.

No. Off	Description	Group Nos.
1	Pr. Connecting rod bottom end bearings (I top and I bottom).	C.13 & C.14.
2	Connecting rod bottom end bolts and nuts for main engine.	C.17. C.19.
1	Pr. Connecting rod top end bearings (I top and I bottom).	C.11.
2	Connecting rod top end bolts and nuts for main engine.	C.16 & C.18.
1	Pr. main bearing bushes (I top and I bottom).	A.1 & A.2.
1	Piston head with studs, nuts, and distance pieces for main engine (No rings fitted). <del>Wear Springs Ring.</del> <del>Fixed in Top Groove 12/12/50</del>	B.91, 92, 93, & 94.
1	Piston rod.	C.38.
8	Main engine piston rings, plain with stepped joints.	B.1.
20	Main engine piston rings, barrelled with stepped joints.	B.1.
16	Lubricating oil scraper rings for main engine.	B.3.
4	Main bearing studs and nuts.	A.19, 20, 21.
2	Complete starting valves.	B.15, B.16.
6	Complete fuel valves fitted with fuel inlet coupling studs, K.405, and copper washers, K.46, and air inlet coupling studs L.123, and copper washers K.52. AND "AQUAFLOAT" PACKING K.30. & COPPER CHECK WASHERS K.55.	K.22.
8	Fuel valve spindles.	K.22.
2	Cam rollers and pins.	H.128, 133, 134.
6	Fuel pump plungers.	K.99.
2	Complete L.P. compressor suction valve cages.	S.48, 38, 39, 37, 19, 49.
2	Complete L.P. compressor discharge valve cages.	S.19, 35, 36, 40, 47, 49, 54.
4	L.P. compressor valves, 2 suction, 2 delivery.	S.35 & S.37.
1	Complete M.P. compressor suction valve cage.	S.84, S.48, S.38, S.39, S.83, S.37, S.19, S.87.
1	Complete M.P. compressor discharge valve cage.	S.19, 35, 36, 40, 47, 85, 86, 87.



No. Off	Description	Group Nos.
4	M.P. Compressor valves, 2 suction, 2 delivery.	S.35 & S.37
3	Complete H.P. compressor suction valve cages.	S.I, 4, 8, 19, 43.
3	Complete H.P. compressor discharge valve cages.	S.I, 2, 3, 19, 43.
4	H.P. compressor valves.	S.I.
1	Piece of sheet lead 3/32" x 12" x 24" for H.P. and M.P. inter-cooler safety diaphragms.	S.96.
1	Safety valve for H.P. compressor cooler.	L.100
5	Rings H.P. compressor piston (each ring comprising 2 outer rings, and one inner ring).	0.57, 58, 60.
7	M.P. compressor piston rings.	0.56
6	L.P. compressor piston rings.	0.55
1	Pr. compressor conn. rod top end bearings (1 top and 1 bottom).	0.79, 0.80
1	Pr. compressor conn. rod bottom end bearings (1 top and 1 bottom).	0.12, 0.13
2	Compressor conn. rod top end bolts and nuts.	0.27, 0.78
2	Compressor conn. rod bottom end bolts and nuts.	0.15, 0.16

Springs for each size fitted to main engines-

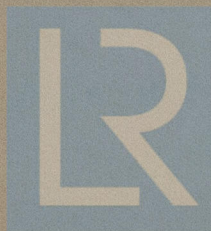
4	Springs for circulating pump escape valve.	D.38
12	Springs for pump rod wiper bush.	D.46
2	" " bilge pump escape valve.	D.124
2	" " blow-off valve control valve.	E.393
1	" " reversing wheel.	E.445
8	Springs for cylinder blow-off valve (2 fitted in spare valves).	H.94
2	Springs for Master starting air valve.	J.156
12	" " starting air non-return valve.	J.162





No. Off Description Group Nos.

8	Springs for starting valve (2 fitted in spare valves).	J.177.
12	Springs for fuel valve (6 fitted in spare valves)	K.5
12	Springs for pulveriser (6 fitted in spare valves)	K.26
6	Springs for fuel pump suction valve	K.140
12	Springs for fuel pump discharge valve.	K.217
2	Springs for priming pump valve.	K.332
1	" for fuel pump control gear.	K.387
2	" for air relief valve for H.P. cooler (included in spare valve).	L.100
1	Spring for fuel pump emergency hand shut-off gear.	E.588
1	Spring for air relief valve for M.P. cooler.	L.101
1	Spring for air relief valve for L.P. cooler.	L.102
392	Springs for compressor valves, (156 fitted in spare cages).	S.19
6	Springs for compressor stop pieces (fitted in H.P. spare cages).	S.43
120	feet of $\frac{1}{2}$ " dia. asbestos plaited packing.	B.151
83	feet of assorted diars. Tucks coreless packing.	U.27, K.30
5	lbs. Walkers "Kerko" non-metallic packing rings for P.W.S. stuffing boxes.	N.8
3	lbs. of $\frac{1}{4}$ " dia. Tucks Coreless packing.	K.315
1	Set of studs and nuts for valves in one cylinder cover.	B.46
12	Cylinder liner studs and nuts.	B.71
1	Main engine small cylinder cover fitted with copper casings for fuel and starting valves and 6 rings.	





No. Off

Description

Group Nos.

Rubber Rings -

12	Rubber rings for bottom of water box.	B.127.
12	Rubber rings for top of water box.	B.130.
12	Rubber rings for bottom of cyl. water jackets.	B.129.
12	Rubber rings for bottom of cyl. water jackets.	B.129 A.
12	Rubber rings for top of cyl. water jacket.	B.131.
24	Upper rubber rings for cylinder ferrules.	B.51.
24	Lower rubber rings for cyl. liner ferrules.	B.51 A.
24	Rubber rings for top of P.W.S. Chambers.	N.27.
24	Lower rubber rings between P.W.S. chambers, and air vessels.	N.260.
12	Rubber rings for casting inside piston.	N.55.
24	Rubber rings for piston water service pipes.	N.243.
12	Rubber rings for scavenging trunk expansion joint.	J.212.
12	<i>RUBBER RINGS FOR CASTING INSIDE PISTON</i>	<i>N.59.</i>
8	Telescopic tubes for piston water service.	N.65.
2	Sets H.P. cooler tubes.	S.119 (8). S.120 (2).
6	M.P. cooler tubes.	S.118.
6	L.P. cooler tubes.	S.117.
1	Complete set of all the working parts for the fuel pump, com- prising plunger tappet, suction and discharge valves.	K.138, 139, 140, 144, 153, 213, 215, 219, 335, 141, 142, 146.
2	Scavange pump piston rings.	J.8.





No. Off Description Group Nos.

192	Suction valves .036" thick for scavenge pump	J.195
192	Discharge valves .036" thick for scavenge pump	J.195
6	Wiper rings for telescopic tubes for P.W.S.	N.12
1	Discharge valve for one bilge pump.	D.99
1	Suction valve for one bilge pump.	D.99
1	Valve seat for one bilge pump.	D.100
5	Suction valves for one water circulating pump.	D.25
5	Discharge valves for one circulating pump.	D.25
1 -	15 ft. length of pipe with cones and nuts for fuel delivery.	K.602
1 -	15 ft. length of pipe for injection air delivery from compressor to receivers. To be made in 3 lengths with nuts and nipples (2 for fuel valve and 1 in rail).	L.309
1	Length of H.P. air pipe with flanges from compressor to blast bottles.	
1	Cwt. of assorted bolts and nuts.	

Copper Washers -

12	Joints for cylinder cover spigot.	B.48
2	Joints for H.P. compressor cover.	P.51
2	Joints between blow-off valve and cyl.	H.96
2	Joints between blow-off valve and indicator.	H.96 A.
3	Joints for starting valve housing	J.187
3	Joints for starting valve air inlet pipe.	J.188
2	Joints for fuel valve stuffing box.	K.16
2	Joints for fuel valve seat inner	K.45
8	JOINTS FOR WATER CONNECTION IN CASTING INSIDE PISTON	N.61
8	JOINTS FOR PLUGS N257 IN CASTING INSIDE PISTON N256.	

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No. Off	Description	Group Nos.
2	Joints for fuel valve fuel inlet.	K.46.
2	Joints for fuel valve air inlet.	K.52.
6	Joints for fuel valve seat	K.47.
3	Joints for fuel pump suction valve.	K.144.
3	Joints for fuel pump suction valve plug.	K.146.
3	Joints for fuel pump discharge valve seats.	K.219.
1	Joint for fuel pump lower chest coupling.	K.335.
2	Joints for H.P. comp. gland.	P.68.
2	Joints for H.P. comp. valves.	P.69.
3	Joints for tee pieces for starting air valve.	L.338.
1	Joint for H.P. comp. indicator plug.	P.70.
1	Joint for H.P. comp. pipe connection	P.72.
2	Joints for M.P. comp. valves	S.57.
3	Joints for L.P. comp. valves	S.57.
3	Joints for L.P. comp. valve covers.	S.63.
1	Joint for M.P. comp. valve box cover	S.72.
1	Joint for L.P. intercooler covers top and bottom.	S.102.
1	Joint for M.P. intercooler covers top, and bottom.	S.103.
1	Joint for H.P. intercooler covers top and bottom.	S.104.
2	Joints for top of piston water service rods.	N.242.
1	Piece of sheet copper 2'0" x 1'0" x $\frac{1}{32}$ " for copper joints.	
1	Coil of copper stemming $\frac{3}{16}$ " sq. for cylinder cover liner 30'0" long.	





No. Off	Description	Group Nos.
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Spare gear for cylinder lubricators, comprising 2 pump units, including pump piston and valve piston.

6	Coupling bolts for the crankshaft.	C.3. & C.4.
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6	Coupling bolts for the flywheel shaft	V.32, V.33.
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1	Cylinder cover liner.	B.83.
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1	Cylinder cover casing (Fitted complete with spare cover and cover liner).	B.82.
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2	Complete blow-off valves.	
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1	Piston skirt.	B.132.
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12	Cylinder cover casing studs and nuts.	B.27, B.28.
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1	Pipe coupling for fuel delivery.	K.406.
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1	Pipe coupling for injection air delivery.	L.124.
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12	Brass safety diaphragms for air injection rail.	L.118.
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6	Sprayers (fitted to complete valves).	K.4.
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Gauze wire diaphragms for fuel and lubricating oil strainers.

6	LOCKING PLATES FOR <sup>FUEL</sup> VALVES STUFFING BOX	K36
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12	SETS OF "AQUAFLOAT" METALLIC PACKING FOR FUEL VALVE SPINDLES (6 INCLUDED IN COMPLETE VALVES)	K30.
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1	SPRING FOR GOVERNOR GEAR FRICTION BRAKE	K381.
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5/2/26 2	THERMOMETERS FOR EXHAUST PIPES	B.150.
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SPARE GEAR.

RETAIN

Shafting -

- 1 Propeller shaft complete with liner and nut.
- 6 Coupling bolts and nuts.
- 1 Solid C.I. propeller (right hand).
- 1 " " " (left " ).

Boilers -

- 1 Spring for auxiliary boiler safety valve.
  - 1 " " waste heat " " "
  - 6 Plain tubes.
  - 3 Tube stoppers with screwed ends and washers.
  - 2 Lids for feed check valves.
  - 12 Water gauge glasses.
  - 24 Packing rings.
  - 2 Suction strainer bags
  - 4 Discharge " "
  - 5 Thermometers
  - 5 Burner Bodies
  - 5 " Caps
  - 30 " Nozzles
  - 5 Firebrick quarls
  - 12 Gauge glasses
- Oil Fuel  
Installation.

Condenser -

- 6 Tubes
- 50 Ferrules
- 1 Hank of packing cord.

Electric Machinery -

- 1 set brushes for workshop motor.
- 1 " " " lubric. oil purifier motor.





Auxiliary Machinery -

I	Set steam piston rings	}	Main Feed Pumps.
I	" water " "		
I	" Suction and discharge group valves.		
I	" Steam piston rings.	}	Forced Lubrication Pump.
I	" Suction and delivery group valves		
I	Pump bucket, complete.		
2	H.P. suction and delivery valves, complete.	}	Auxiliary Air Compressor
2	L.P. " " " " "		
I	Set Piston rings for air and steam cylinders		
I	" H.P. cooler tubes	}	
6	M.P. " "		
6	L.P. " "		
I	pair Compressor connecting rod bushes lower end.	}	
I	" " " " " upper		
I	Set piston rings	}	Ballast pump.
I	" Suction and delivery valves.		
I	" ditto.	}	General Service Pump.
I	" ditto.		
I	" ditto.	}	Oil Fuel Transfer Pump.
I	" ditto.		
I	" ditto.	}	Oil Purifier Transfer Pump.
I	" ditto.		
I	" ditto.	}	Combined jacket and piston Cooling pump.
I	" ditto.		
I	" Piston rings.	}	Molasses Flushing Pump.
I	" Valves.		



