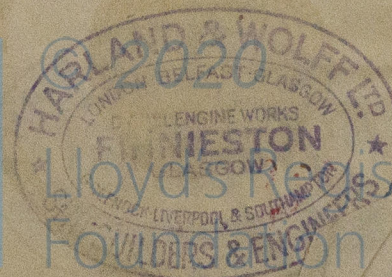


2nd April, 1924.

LIST OF SPARE GEAR FOR GENERAL ORDER NO.1640.MAIN ENGINE.

- 1 Pair Connecting Rod Bushes, lower end with bolts.
- 1 " " " " upper " " "
- 4 Main Bearing Studs and nuts
- 1 Piston (no rings fitted)
- 2 sets Piston Rings
- 6 Exhaust Valves with casing, springs, etc., complete.
- 3 Exhaust Valve Box Seating Rings
- 3 Exhaust Valve Spindle Seating Rings
- 2 Starting Valves with casing, springs, etc., complete.
- 2 Fuel Valves with casing, springs, etc., complete
- 3 Fuel Valve Spindles.
- 1 Cam Roller of each size, with pins.
- 1 Cylinder Cover without valves.
- 1 set of Studs and Nuts for securing valves in cylinder cover.
- 1 Complete set of working parts for one fuel pump plunger.
- 6 Fuel Pump Plungers.
- 1 Set of pipes for piston-cooling gear.
- 1 Outer piston-cooling pipe with flange brazed.
- 3 Intermediate tubes with ported nuts brazed.
- 6 Centre Tubes and 3 caps for "
- 12 Lock Nuts for centre tubes.
- 12 Woodite Rings for centre tubes.
- 6 Woodite rings for piston-cooling gland.
- 6 Rubber Rings for centre tube caps.
- 1 Complete set of springs for one engine.
- 12 Exhaust valve springs.
- 1 set of Packing for all glands in one engine.
- 1 Pair Bushes for upper and lower end of air compressor connecting rods, with bolts.
- 1 set Piston Rings for air compressor.

(1)



LIST OF SPARE GEAR FOR G.O. NO. 1640.

MAIN ENGINE (CONTD.):

- 1 Set Air Compressor Valves, complete.
- 2 Cages for of each size for air compressor valves.
- 12 Elastic Discs for air compressor valves.
- 6 H.P. Air Compressor Valve Springs.
- 6 M.P. " " " "
- 6 L.P. " " " "
- 1 Safety Valve for air compressor.
- 2 Cooling Coils for H.P. Air Compressor (one inner & one outer).
- 12 M.P. Cooler Tubes.
- 12 L.P. " "
- 1 set Expanders for compressor cooler tubes.
- 1 Length Fuel Pump Delivery Pipe.
- 1 Length Fuel Valve Blast Air Pipe.
- 1 Length Delivery Pipe from Blast Air Bottle.
- 6 Rubber Rings of each size for main engine cylinder.
- 6 Rubber Rings for starting valves.
- 6 Rubber Rings for air compressor H.P. Cylinder.
- A quantity of assorted bolts and nuts.
- 5 lbs. of Wains' Packing.
- 5 lbs. 1/4" Palmetto Packing.
- 3 lbs. Asbestos Cord.
- 2 Sheets of 1/32", 1/16" thick Permanite Jointing 4'0" x 4'0"
- 2 Sheets of 1/8" Asbestos Millboard 4'-0" x 4'-0"
- 1 set Crankshaft Coupling Bolts and nuts.

MANOEUVRING AIR COMPRESSOR:

- 1 Complete set of Valves.
- 1 set Piston Rings.
- 12 L.P. Cooler Tubes.
- 12 M.P. Cooler Tubes.

(2)



Engines made at

Glasgow

By whom made

Harland & Wolff Ltd

Engine No.

Donkey Boilers made at

By whom made

Boiler No.

It belongs to

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LIST OF ADDITIONAL SPARE GEAR FOR G.O.1640.

- 1 Set Eccentric Straps for fuel pumps.
- 1 Monometer, 60 atmospheres.
- 1 Lubricating box complete (Vacuum)
- 6 Glasses for same.
- 3 Gauge Glasses for same.
- 6 Pawls with Springs.
- 1 Length Lubricating Oil Pipe Line, with 4 cones and 4 nuts (Vacuum)
- 1 Length Fuel Oil Pipe line with 4 cones and 4 nuts.
- 4 Metres Copper, injection air pipe, with 4 cones and 4 nuts.
- 1 Non-return Valve Fuel Valve.
- 1 " " " " Pipe line.
- 2 " " " " Injection Air.
- 2 Brass Tubes, fuel valves for cylinder cover.
- 1 Water Connection Cylinder to Cover.
- 1 Water Connection cover to exhaust valve.
- 1 Compressor Gudgeon Pin
- 3 Fuel Valve Spindles.
- 1 Main Engine Cylinder Liner.
- 4 Brass Side Guards for Crosshead Shoe.
- 6 L.P. Air Compressor Valve Springs.

(3).

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Thickness

Working pressure by rules

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