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Palmer L. S. Co. Ltd.

M. V. British Loyalty Eng No 969

Main Eng Spare Gear. (Sulzer Eng)

Cylinder No 5678/83

C/ Liner with Copper Packings, 2 Rubber Rings
Cylinder Cover with Bolts (without Valves) ✓

C/ Working Piston complete with Rod & Inner Telescope Tube. ✓

C/ Complete Combined Starting & Fuel Valves ✓

Fuel Needles with guides & pulverisers complete. ✓

Small Distance Rings

Steel Spray Plates

Brass Safety Valves 55 ATM.

" Non Return Valves $\frac{1}{2}$ "

" Lubricators $\frac{1}{2}$ "

" Oilers 15 Gr.

Copper Packings

Rubber Rings, 230 x 7 mm.

C/ Guide Bushes with plungers for Fuel Pumps

Steel Suction Valves for Fuel Pumps

Delivery Valves

Steel Bolts $2\frac{1}{2} \times 663$ For Cylinder Covers

" " $2\frac{1}{2} \times 663$

" " $2\frac{1}{2} \times 669$ For Foundation Plate

" " $2\frac{1}{2} \times 595$ " " "

" " $2\frac{1}{2} \times 540$ " " "

" " $2\frac{1}{2} \times 669$ " " "

" " $2\frac{1}{4}$ For Crank Shaft Bearing of Main Cylinder

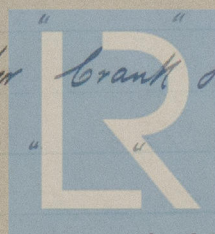
" " $2\frac{1}{4}$ " " " "

" " $2" \times 210$ mm. For Foundation Plate

" " $2" \times 255$ mm

Culver Bolts, $1\frac{3}{4} \times 765$ For Crank Shaft Bearing

Inner " $1\frac{3}{4} \times 545$



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- 1 Steel Inner Bolt $1\frac{3}{4} \times 545$ To Compressor
1 " Outer " $1\frac{3}{4} \times 765$ " "
4 Steel Bolts $1\frac{1}{2} \times 150$ mm. For Foundation Plate
4 " " $1\frac{1}{2} \times 145$ mm. " " "
2 " " $1\frac{1}{2} \times 420$ mm. " " "
4 " " $1\frac{1}{2} \times 160$ mm. " " "
4 " " $1\frac{1}{2} \times 170$ mm. " " "
4 " " $1\frac{1}{2} \times 155$ mm. For Frame.
4 " " $1\frac{1}{2}$ For Cam Shaft Brackets
2 " " $1\frac{1}{8}$ " " "
4 " " $1\frac{3}{8} \times 150$ mm. For Cylinders
2 " " $1\frac{3}{8} \times 175$ mm. " "
4 " " $1\frac{1}{4} \times 135$ For Frames
2 " " $1\frac{1}{8} \times 250$ mm For Cylinders
2 " " $1\frac{1}{8} \times 145$ mm " "
4 " " $1\frac{1}{8} \times 130$ mm. For Cam Shaft Brackets
2 " " $1" \times 105$ mm. To Frame.
2 " " $1" \times 100$ To Fuel Pump.
2 " " $\frac{7}{8}" \times 100$ For Distribution
2 " " $\frac{7}{8} \times 120$ " "
4 Steel Head Bolts $1\frac{1}{2} \times 100$ mm.
2 " " $1\frac{3}{8} \times 160$ mm.
5 " " $1\frac{1}{4} \times 95$ mm
12 Steel Crank Shaft Coupling Bolts $2\frac{3}{4} \times 397$
4 Bolts $2\frac{1}{2} \times 290$ mm To Same.
2 " $2\frac{1}{2} \times 230$ mm To Flywheel.
12 Nut Bolts $2\frac{1}{4} \times 230$ mm. For Bedplate
2 Bolts $2\frac{1}{4} \times 230$ mm. " "
6 Nut Bolts $2\frac{1}{4} \times 220$ mm. To Frame.
4 " " $2" \times 215$ mm To Bedplate
2 Steel Bolts $2" \times 215$ mm To Same.
4 " " $1\frac{1}{2} \times 190$ mm To Frame.
5 " " $1\frac{1}{2} \times 190$ mm " "
2 " " $1\frac{1}{2} \times 170$ mm To Bedplate.
4 Head Bolt $1\frac{3}{8}$ To Frame
4 Steel Bolts $1\frac{1}{8} \times 155$ To Same.

+ 2 MX 1:28 Ct.

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- Nut Bolt 1" 218 mm. To Fuel Pump.
Steel Bolt 1" For Same.
" $\frac{7}{8}$ " For distribution
W1 Washers $2\frac{1}{2}$ "
Steel Bolt $\frac{1}{2}$ " 615 mm For Working Pistons
" Bolt $\frac{1}{2}$ " 165 For Air Injection Pump.
" $\frac{1}{8}$ " 295 mm. For Air Injection Pump
" $\frac{1}{2}$ " 130 mm. " " "
" $\frac{1}{8}$ " 405 mm " " "
" $\frac{1}{8}$ " 300 mm " " "
" $\frac{1}{8}$ " 470 mm " " "
" 1 430 mm. " " "
" 1 400 mm. " " "
Head Bolt $\frac{1}{8}$ x 292 mm.
" $\frac{1}{8}$ x 298 mm
5. Sundry Washers.
Cl. Scavenger Air Valve Casing with Valves
Lower Bronze Helical Wheel For Cam Shaft Drive.
Steel " " "
Upper Bronze " " "
Steel " " "
Bronze Stand pipes 73/90/1181 mm. Piston Cooling
" Running pipes 38/50/1784 "
Injection Pipes 19/27/1860
Bronze Distance Pipes
Steel Guide Bushes
Complete H.P. Suction Valve
" H.P. Delivery Valve.
Cl. Piston Rings (Working)
570 mm ϕ
480 "
150 "

Scraper Rings to Working Cylinder.

Steel L.P. Compression Valves

135 mm

105

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- 6 Steel Compressor Valves 75 mm.
6 " " 46 mm.
6 Steel Discs 135 mm. For L.P. Compressor Valves
6 " " 105 mm.
6 " " 75 mm.
6 " " 46 mm.
2 Steel I.P. Compressor Valves 105 mm.
2 " " 75 mm.
2 " " 46 mm.
2 Steel Discs 105 mm ϕ For I.P. Compressor Valves
2 " " 75 mm.
2 " " 46 mm.
1 Belge Pump. Suction Valve
1 " " Delivery
80. Steel Scavenger Pump Valve Rings 160,5 x 124,5 x 2,5 mm.
4 Steel Bolts Acme 53 for Connecting Rod Fork.
8 " " Acme. 62 to Connecting Rod Head of Working
11 W1 Flanges 122 mm ϕ for Pipes 10/14,5.
12 W1 Nipples with cones for Pipes 25/33 mm
8 Pipe Couplings 10/14,5 with cones
24 Nipples with cones for pipes 10/14,5
1 Clamping piece $\frac{1}{2}$ " x 1521
1 CI Scavenger Pump Piston Ring.
35 CI Piston Rings 680 mm.
4 Steel Brushes for Piston Cooling
2 CI Covers with Beamy Brushes for Cogwheel Oil Pump.
2 Adjusting Ring Halves, 4,5 mm (Steel) for Vertical Shaft
2 " " 5 mm as Spares & Same.
1 CI Propeller.
1 Tail Shaft.
1 Set. Bolt nuts for Main Shaft Couplings of each size



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M.V. British Loyalty Lugs 969.

Spare for Aux Diesel Eng.

Cylinder No 14671/72.

3.1. Piston Rings

1 Wiper Ring
Rings

Steel Delivery Plunger with Guide Bushes

Steel Needles with Guide Bushes

Distributing Nozzles

Spray Plates

Steel Timing Screw.

Steel Valve for Fuel Valve

Air Suction Flaps

Steel Ball Bearing for Speed adjustment screw

Brass Safety Valves 50 ATM.

Water Valve 1 Delivery Valve for Cooling Water Pump

Secondary Spiral Spring

Copper Discs, 4 Steel Washers, 6 Brass Filler Screws

Cylinder Plugs. (200 pieces)

Special Spare Parts Cylinder No 14671/72

Fuel Valve Complete

Starting Valve.

Brass Safety Valve. 50 ATM for Main Cylinders

Safety Valve. 150 ATM for Fuel Pump

Suction Air Flaps. Complete

Pump. with cover, Valves, Springs, guide bush pins & Handle

Steel Valve to Fuel Pump

Steel Delivery Plunger with Guide Bush for Fuel Pump.

Brass Regulating Bush to same.

Timing Screw, 1 Centering Pin

Steel Spring. 4, 5/32/100 x 8.

on head pin Complete with Bearing Shell.

End Bolts 1 1/8" with Nuts & Pins

Coupling Bolts 1 1/4" with Nuts & Pins.

Bolts 1" x 100 C 16 with Nuts & Split Pins.

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6 Head Bolt $\frac{1}{2}$ "

8 Steel Bolt $1\frac{1}{2} \times 330A$ with Nuts & Split Pins

4 " " $1 \times 105A$ " " " "

4 " " $1 \times 175A$ " " " "

4 " " $\frac{3}{4} \times 142A$ 10 " " " "

2 " " $\frac{3}{4} \times 75A$ " " " "

2 " " $\frac{7}{8} \times 65A$ 9 " " " "

2 Steel Bolt $\frac{7}{8} \times 80A$

2 " " $\frac{7}{8} \times 70A$

2 " " $\frac{7}{8} \times 65A$

4 " " $\frac{1}{2} \times 75A$

4 " " $\frac{1}{2} \times 55A$

2 " " $\frac{1}{2} \times 48A$

2 Coupling Washer $\frac{7}{8}$ "

8 Nippers $\frac{5}{8}$

8 Cones to pipes $\frac{5}{9}mm$.

2 Steel pipes $\frac{5}{9}mm. \times 10,6m$.

1 Fibre packing to Starting Valve.

1 Polypend Packing to SAME.

1 Copper Washer to Fuel Pump.

Repeated as above for Aux Diesel Eng. Cylinder No. 1467

Spare for Cooling Water Pumps Sulzer Make.

1 Steel Shaft with Bronze Bush.

1 Bronze Impeller for 1st Stage

1 " " 2nd " "

1 CI Bearing Bush 35mm Bore. lined with white Mip

1 " " 30mm " "

1 Bronze Front Stuffing Box.

1 " Rear " "



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Warrs Feed Pumps 8 1/2" x 6 x 18 Throte

4 3/8 Kinghorn Valves

Bronze Springs

6 Boniti Rups

8 1/2 Piston Rings

Warrs General Service Pump. 8 1/2" x 6 x 18 Throte

4 3/8 Kinghorn Valves

Bronze Springs

6 Boniti Rups

8 1/2 Piston Rups.

Strother & Peck Oil Fuel Transfer Pump M.D.

Liner, 1 Outer Rotor, 1 Inner Rotor

Land Cover Bush, 1 Inspection Cover Bush

Carruthers Fuel & Bldge Pump 8 x 8 1/2 x 8 Throte.

2 Kinghorn Valves 2 Suction Seats

Boniti Rups 2 Discharge "

Carruthers Ballast Pump. 10 x 12 x 12 Throte

Bran Valves 4 Boniti Rups

Suction & 2 Discharge Seats

Gysdaler M.D. Sanitary Pump

1 Impellor, 1 Spindle, 2 Bearing Rings

1467 Cont. 1 Line Brush Holder, 8 Carbon Brushes, 3 Ball Bearings

Tunderland Forge Steam Dynamo.

1 Top End Brasses, 1 Piston Ring, 1 Valve Spindle

" Bottom " 1 Piston Rod with Pin & Nut.

Whites Oil Burning Installation

Whites Patent Burners

Wip Box - 6 Burner Taps .055

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4 Burner Springs

Suction Filter Basket. 2 Brass Cased Thermometers

Discharge " 2 Flame Controls

11 Tubes. 1 Parcel Pump Spares.

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Brother Hood's Aux Air Compressor.

- 6 1 Main Bearing Bush. (Oil Pump End)
8 1 " " " (Flywheel End)
4 1 Pair Crank Pin Branes
4 1 " Crankhead Branes
4 8 1st Stage Piston Rings
2 10 2nd " " "
2 20 3rd " " "
2 3 Stem Piston Rings
2 1 each 5" Suction & Delivery Valve Seats
2 5" " " Guards
4 7 each 3" Inner & Outer Valve Rings
60 5" Spring Holders & Springs
2 5" Suction & Delivery Bolt Nuts
1 each 2 1/2" Suction & Delivery Seats & Guards
3 2 1/2" Valve Rings
8 12 2 1/2" Spring Holders & Springs
2 Governor Springs
1 Governor Regulating Spring
2 Stem Cylinder Relief Valve Springs.



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