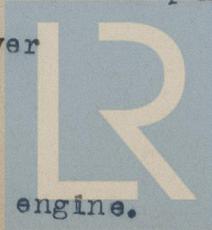


LIST OF SPARE PARTS FOR SHIP NO 748 G

*M.V. "Paula"*

- 2 Pairs connecting rods bushes, lower end with bolts
- 4 Pairs Connecting rod bushes, upper end with 4 bolts
- 1 Pair Main bearing bushes with bolts (or equivalent)
- 2 Pistons (no rings fitted)
- 12 Studs and nuts for pistons
- 6 Sets piston rings
- 1 Crosshead
- 1 Guide Shoe
- 4 " " Bolts
- 2 Cylinder heads complete without valves
- 2 " liners
- 2 " water jackets
- 12 Studs and nuts of each size for cylinder head valves
- 2 Inlet valves with casings springs etc complete
- 3 " Valves spindles
- 12 Exhaust valves with casings springs etc complete
- 6 " valve spindles
- 6 " " spindle seating rings
- 6 " " box seating rings
- 4 " " attachment screws
- 2 Starting valves with casings springs etc complete with attachment screws
- 2 Starting valve spindles
- 2 Fuel valves with casings springs etc complete
- 4 Fuel valve spindles
- 4 " " case ends
- 2 Cylinder safety valves complete
- 4 Atomizers
- 2 Rollers of each size with pin
- 1 Set levers complete.
- 2 Sets Cam toe pieces for valves
- 1 Driving chain of each size fitted
- 6 Chain links of each size fitted for readily repairing chain
- 3 Sets pipes with stuffing boxes complete for piston cooling gear.
- 1 A C Cylinder Liner for each stage
- 3 Sets Air compressor valves complete with cages.
- 2 Sets piston rings for air compressor
- 1 Pair lower end air compressor connecting rod bushes with bolts
- 1 Air compressor crosshead pin
- 1 Pair Air " " " bearings
- 1 Complete set of springs for one engine
- 6 Additional springs for exhaust valves
- 3 Sets packing for one fuel pump
- 1 complete set metallic packing for one engine
- 3 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 Cooling coil for one HP Air compressor complete with flanges
- 1 M.P. Cooler stack complete
- 1 L.P. ditto
- 1 Set expanders for comp. cooler tubes
- Lengths fuel pump delivery pipe.
- Length Fuel valve blast air pipe.
- Lengths delivery pipe from air compressor to blast air bottle.
- Length of pipe cross-over between regulating heads
- Needle valves of each size for air bottles and reservoirs
- Fuel oil pump plungers and sleeves
- " " Suction valves.
- " " Delivery valves
- Complete set of working parts for one fuel pump plunger.
- 2 Rubber rings of each size fitted
- Set Brasses and bolts for pump lever
- Bilge pump plunger.
- Cooling water pump rod
- " " " bucket
- Lub.Oil Pump rotor complete
- Set valves, guards for pumps on one engine.



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LIST OF SPARE PARTS FOR SHIP NO 748 G (Cont'd)

AUXILIARY DIESEL DRIVEN AIR COMPRESSOR ENGINE:

- 1 Crankshaft with gear wheel attached
- 1 Cylinder complete with valve, springs and levers
- 6 Chain Links of Each size fitted for readily repairing chain.
- 1 Set studs and nuts for one cylinder cover.
- 1 Pair Connecting rod bushes, Lower end, with bolts.
- 1 " " " Upper do
- 1 Main Bearing Bush with studs and nuts
- 1 Crosshead pin
- 2 Sets piston rings
- 1 Fuel valve spindle
- 1 " " Case end (Seat)
- 1 " " Sleeve (Pulverizer complete)
- 1 Exhaust valve with casing, complete
- 1 " " spindle
- 1 Fuel valve cam piece
- 1 Set lever rollers
- 1 complete set of springs for one engine
- 2 Governor springs
- 6 Additional inlet and exhaust valve springs
- 2 Fuel pump plungers
- 1 Set valves for fuel pump
- 1 Complete set of working parts for one fuel pump plunger
- 1 Set air compressor valves, complete with springs
- 10 Suction Valves for each stage
- 10 Delivery " " " "
- 1 Set Piston rings for one air compressor
- 1 H.P. Cooling coil
- 1 L.P. do
- 3 Rubber Rings of each size fitted on engine
- 1 Filter for lubricating pump

AIR COMPRESSOR, STEAM DRIVEN.

- 1 Piston Rod with piston and rings complete
- 1 Complete set of top and bottom end brasses with bolts
- 1 Slide Valves rod and slide valve
- 1 Eccentric rod and strap with bolts
- 12 Piston rings for each cylinder
- 1 Set crosshead and crankpin bearings, complete
- 1 Crosshead pin
- 1 Suction valve housing for each stage (cages only)
- 1 Delivery " " do
- 10 Suction valves for each stage
- 10 Delivery " " "
- 20 Cooler Tubes

ELECTRIC LIGHT ENGINE (KROMHOUT)

- 1 Set Suction and Delivery Valve springs and guards
- 1 Set Bucket Rings
- 1 Piston complete with rings
- 24 Piston rings
- 2 Cooling water pump springs for plunger
- 1 Set Crankpin brasses.
- 1 Gudgeon pin and roller plate
- 3 Steel ignition pockets
- 1 Cylinder cover.
- 2 Fuel delivery pipes
- 1 " Pump plunger springs
- 1 " " roller
- 1 " " complete
- 2 " " Cams
- 1 Nozzle for heating lamp.

BALLAST PUMP

- Set Piston Rings (water and steam end)
- Pump rod - 1 valve spindle
- Set seats, valves and springs.



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LIST OF SPARE PARTS FOR SHIP NO 748 G

LUBRICATING OIL PUMP

1 Set Suction and Delivery Valves and springs.

BOILER FEED PUMP

1 Set of valves with seats  
1 " " Piston and bucket rings.

OIL PURIFIER

1 Bowl.

CONDENSER

30 Tubes and 24 Ferrules.

EVAPORATOR

1 Coil

BOILER

1 Spring for Safety valve  
1 Valve for feed check valve  
2 Valves and spindles for do  
12 Water gauge glasses and 24 packing rings.  
6 Boiler door joints  
24 Boiler tubes  
2 " stay tubes.

OIL FUEL INSTALLATION

1 Burner  
1 Set of Nozzles for all burners  
1 " " Diaphragms for all burners  
1 " " Filter baskets for suction strainer  
1 " " " " " delivery "  
1 " " Valves and springs for one oil fuel pump  
1 " " Steam piston rings for oil fuel pump  
1 " " Oil Piston rings, for oil fuel pump  
1 " " Spanners for installation.

SHAFTING

1 Section Crankshaft(three throw)  
1 Set Crank shaft coupling bolts and nuts  
1 Propeller shaft with right hand thread.  
1 Set Tunnel shafting coupling bolts and nuts  
2 Propellers one right and one left hand(M.B)  
1 Set of pads for one face of each thrust block.

ELECTRIC MACHINERY

1 Spare Armature  
6 Brushes.

