

ENGINES NOS. 424/425

Belgian Gulf

SPARE PARTS FOR 10000 TONS TWIN SCREW TANKER.

MAIN ENGINES.

- 1 Cylinder jacket
- 2 Cylinder liners complete with oil wiper rings.
- 2 Cylinder covers complete with all valves fitted to it
- 2 Fuel inlet valves complete
- 8 Fuel needles valves
- 4 Pulverisres complete
- 48 Pulveriser plates for fuel needle valve
- 48 Distance rings for pulveriser
- 8 Spray plates for fuel
- 4 Springs for fuel inlet valve
- 2 Starting air valves complete
- 2 Spindless for starting air valve
- 4 Springs for starting air valves
- 2 Decompression valves complete
- 2 Spindles for decompression valve
- 4 Springs for decompression valve
- 4 Cylinder escape valves (valve only)
- 4 Springs for cylinder escape valve
- 18 Copper joints for cylinder cover
- 18 Rubber joints for cylinder cover
- 3 Pistonheads complete with rings
- 3 Piston skirts
- 8 complete sets of rings for piston
- 4 Complete sets of wiper rings in cylinder liner
- 3 Automatic scavenging valves complete
- For 3 complete valves rings disc for automatic scavenging valve.-



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- 6 complete valves - Springs for automatic scavenging valve
 - 4 Fuel cam in section plates
 - 4 Fuel cam rollers
 - 1 Fuel valve lever, complete with pin and roller
 - 2 Starting valve levers, complete with pin and roller
 - 1 Two-throw section of crankshaft
 - 1 set Coupling bolts for crankshaft
 - 4 Connectingrod top-end bearings (consisting of top and bottom half) complete with liners, bolts and nuts.
 - 2 Connectingrod bottom - end bearings (consisting of top and bottom half) complete with liners, bolts and nuts.
 - 2 Main bearings, consisting of top and bottomhalf, complete with bolts and nuts.
- for 1 cyl. Bolts and nuts for cylinder cover.
- 1 compressor crankshaft .
 - 1 Top-end bearing, consisting of top and bottom half, complete with liners, bolts and nuts for compressor connectingrod.-
 - 1 Bottom-end bearing, consisting of top and bottom half, complete with liners, bolts and nuts for compressor connectingrod.-
 - 2 H.P. compressor liners.-
 - 3 sets Pistonrings for all compressorstages (for each comp.)
 - 1 set H.P. compressor valve complete with seats and guards (for each compressor).
 - 1 set Separate ring discs for H.P. compressor (for each comp.)
 - 1 set I.P. and L.P. compressor valve complete with seats and guards (for each compressor).
 - 1 set Separate ring discs for I.P. and L.P. compressor (for each compressor).
 - 2 sets Compressor valve springs (for each compressor).
 - 2 Spiral coils for H.P. air cooler
 - 2 Air coolers for I.P. and L.P. stages, being interchangeable.-
 - 1 set Pressure gauges for all stages of compressor.-
 - 1 Pressure gauge for scavenging air.-
 - 1 complete link for scavenging air pump drive at crosshead end.-



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2 Bushes for scavenging air pump connectingrod bottomend.

1 Bearing consisting of top and bottom half complete with liners and bolts for scavenging air pump connectingrod top-end.-

1 set skew wheels for vertical shaft (below)

1 set skew wheels for vertical shaft (top).

1 set skew wheels for driving rotary valve of scavenging pump

for 8 cyl. Complete set of working parts of piston cooling gear.

1 set Working parts for fuel pump of each engines.-

2 Suction valves for fuel pumps of each engine.-

2 Discharge valves (large size) for fuel pump of each engine-

2 Discharge valves (small size) for fuel pump of each engine.-

1 set Valve springs for fuel pump of each engine,

1 set Valves and seats for cooling water pumps driven by main engine.-

1 set Valves and seats for one bilgepump driven by main engine.

1 Plunger for cooling water pumps driven by main engines

1 ,, ,, one bilgepump ,, ,, ,, ,,

1 Gland and neckring for each pump driven by main engine.-

2 Prime cocks for fuel inlet valve.-

1 of each kind. Blow-off cock for air coolers.

8 Valves for cylinder lubricating pumps.

2 Cylinder lubricating pumps.

2 Glasses for every glass fitted to cylinder lubricating pumps.

Bolts and nuts of all dimensions 5% and not less than 2 of each diameter.-

Special rubber , copper and asbestos packing as considered necessary and sufficient.-

Lenghts of pipes suitable for the fuel delivery and the blast pipes for cylinders , and the air delivery from the H.P. compressor via the cooler to the receivers with suitable connections to approval.-

1 Thermometer for each fitted.-

1 Spring for each fitted , where not otherwise specified.-

50% of all oil cooler tubes.

4 Indicatorcocks.-



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1 Propellershaft

2 sets Couplingbolts for propellershaft,-

1 complete set of pads for one face of thrust of each engine,-

2 Bronze blades for starboard propeller,-

2 cast steel ditto

2 Bronze blades for port propeller,-

2 Cast steel ditto

50% Studs and nuts for blades of one propeller,-

1 1/2 cwt. of white metal with suitable mandrils,-

Mr. Young
Surveyor
Lloyd's Register of Shipping



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