

MAIN MOTORS.

P. Smit No. 469

Spare parts

- 1 set of coupling bolts for crankshaft (9 bolts)
- 2 sets of crosshead brasses (complete) four halves,
- 4 crosshead bolts with nuts and set pins ,
- 2 sets of crankpin brasses (complete) four halves,
- 4 crankpin bolts with nuts and set pins ,
- 1 complete set main bearing brasses, 1 top and 1 bottom half,
- 2 bolts for mainbearing with nuts and set pins,
- 12 exhaust valves complete with housing and spring,
- 6 springs for exhaust valves,
- 2 inletvalves complete with housing and springs,
- 3 inlet valves,
- 6 springs for inlet valves,
- 2 relief valves (complete) with housing and springs,
- 2 starting air valves (complete) with housing and springs,
- 2 starting air valves,
- 2 springs starting air valves.
- 1 spare spring for each size relief valve on the engine,
- 3 fuel pump plungers complete with packing and ground bushes,
- 3 cylinder heads without valves,
- 3 cylinders liners with extension pieces,
- 4 pistons without rings,
- 1 piston rod with crosshead and guide shoe,
- 12 pistonbolts, one set guide shoe bolts,
- 1 connecting rod,
- 60 piston rings, 6 scrape rings.

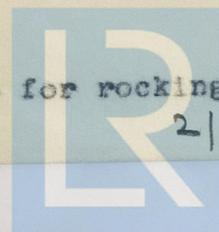


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002269-002278-0055 1/6

3 thermometers for exhaust gases (Negretti & Zambra),
6 suction valves and springs H.P. fuel pumps,
6 delivery valves and springs H.P. fuel pumps,
3 fuel valves chests complete with atomisers, springs, etc.,
3 fuel valves,
3 packing nuts for fuel valves,
3 springs for fuel valves,
3 atomisers,
3 mouth pieces for atomisers,
2 rollers and pins fuel valve levers,
2 fuel cams,
1 complete set ^{valve} levers and rollers for one cylinder,
2 complete valve units for supercharge system,
2 complete sets of thrustblock pads 12 pads,
2 needle valves for injection air bottles,
1 fuel injection pipe and one inblast air pipe of each size
complete with connections,
1 complete set of rubber rings for one motor,
1 complete set of copper rings for one motor,
A complete set of spare studs, nuts and bolts for two main cylinders,
1 cooling water pump rod with bucket and nuts,
1 complete set of cooling water pump valves, seating and guards,
1 bilge pump plunger with neck and gland bushes,
1 piston cooling pump plunger with neck and gland bushes,
1 set bilge pump valves and seatings complete,
1 set piston cooling pump, valves and seatings complete,
1 cylinder lubricator complete,
1 set of bearing brasses with bolts for rocking shaft, two halves,



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- 1 set of brasses and bolts for pump levers inside ,
- 1 set of brasses and bolts for pump levers outside,
- 1 set of gear wheels for camshaft drive,
- 1 push rod for camshaft drive,
- 2 complete sets of telescopic pipes with stuffing boxes,
- 6 exhaust valves with stems,
- 6 exhaust valves seatings ,
- 1 set of tooth wheels for H.P. fuel pumps,
- 1 set of bevel wheels for lub. oil pump drive,
- 2 sets of packing for L.P. compressor rod,
- 2 sets of scraper rings for main piston rods,
- 12 safety tubes for inblast line,
- 15 piston rings for extension piece,
- 1 excentric sheave and rod for fuel pump,
- 1 crosshead and pin for fuel pump,

MAIN AIR COMPRESSOR.

- 12 pistonrings for each piston,
- 1 set of crosshead pin bearings (complete) with bolts,
- 1 crosshead pin,
- 1 set crankpin bearings (complete) with bolts,
- 1 complete set of valve seatings, guards and springs for L.P.,
M.P. and H.P. compressor,
- 10 suction valves for each stage,
- 10 delivery valves for each stage ,
- 1 cylinder liner for each stage,
- 1 cooler stack for each stage,

LUBRICATING OIL AND PISTON COOLERS.

- 1 cooling stack for coolingwater cooler,
- 1 " " " lubricating oilcooler.



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TURNING ENGINE.

- 1 spare armature complete in watertight box,
- 1 complete set of brush holders and brushes.

MAIN MOTOR. (continued).

- 1 propeller shaft (complete with nut)
- 2 cast iron Propellers (one left and one right handed),
- 2 complete sets of thrustblock pads,
- 2 valves for starting air bottles,
- 6 bolts for bedplate,

BOILER.

- 24 boiler tubes,
- 2 stay tubes,
- 6 boiler tube stoppers,
- 1 testing apparatus safety valves,
- 1 dozen gauge glasses with
- 2 dozen of wallico rings,
- 4 chack valves and spindels,

CONDENSER.

- 30 condenser tubes,
- 24 condenser tube ferrules,

"KROMHOUT"-MOTOR.

- 1 set of section and delivery valves, springs and guards,
- 1 set of lubricating oil rings for crankpins,
- 1 piston complete with rings,
- 24 piston rings,
- 2 cooling water pump plungers and valves,



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- 1 set of crankpin brasses ,
- 2 gudgeon pins and roller plates,
- 2 fuel delivery pipes,
- 1 fuel pump plunger spring ,
- 1 fuel pump roller,
- 1 fuel pump complete,
- 2 fuel pump cams

AUXILIARY AIR COMPRESSOR.

- 12 piston rings for each cylinder ,
- 1 set of crosshead and crankpin bearings (complete with bolts)
- 2 suction valve housing for each stage,
- 2 delivery " " " " " ,
- 20 cooler tubes,

STEAM ENGINE FOR AUXILIARY COMPRESSOR.

- 1 L.F. piston with pistonrings and pistonrods,
- 1 H.P. " " " " " ,
- 1 set of top and bottom end brasses with bolts,
- 1 slide valve rod and eccentric strap,

DUPLEX STEAM PUMPS.

- 1 pump rod complete with crosshead pistons and rings,
- 1 valve and spindle ,
- ½ set of suction and delivery valves, seatings and springs for each size of duplex pump in the engineroom,

WEIR PUMPS.

- 1 pumprod with pistons, crosshead and rings complete,
- 1 set of suction valves,



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- 1 set of delivery valves,
- 12 ebonite rings.

EVAPORATOR.

- 1 complete set of evaporator coils,
- 12 gauge glasses with 24 wallice rings,

LIQUID FUEL BURNING.

- 2 thermometers,
- 1 set of valves for one pump,
- 1 set of pump tools,
- 1 set of strainers for suction filter,
- 1 set of strainers for delivery filter,
- 12 tubes for heaters,
- 3 tubes for aux. heater,
- 1 lamp for aux. heater,
- 1 set of steam piston rings for one pump,
- 2 burners, (complete)
- 2 sets of nozzles (different dimensions),
- 2 sets of diaphragms,
- ½ set of burning packing rings,
- 2 burning holders.

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Tom Beaman



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