

starting air valves, top.

List of Spare Gear supplied for

1 off complete.

1 valve spindle. M/S. "JUTLANDIA"

4 spindle rings.

Yard No. 60 by A/S. Nakskov Skibsværft, Nakskov.

2 springs.

15 safety caps.

Main Engines. valves, bottom.

1 off complete.

Cylinder top.

1 springs.

1 cylinder cover complete with cylinder and slide valve liners, exhaust belt, studs etc.

Safety valves, top.

Cylinder bottom.

1 complete.

1 cylinder cover complete with cylinder and slide valve liners, exhaust belt, studs etc.

Fuel injection valves, top.

10 off complete.

3 spindles with tubes.

15 atomizers.

5 springs.

10 Filter insets.

5 white metal jointing rings. with rod, piston rod sleeve and packing rings.

3 air escape screws. piston rod sleeve.

12 L shaped piston rings.

Fuel injection valves, bottom.

10 off complete. telescopic pipes with flange and gland.

3 spindles with tubes. for piston cooling.

15 atomizers.

5 springs. Exhaust piston valves, top.

10 Filter bodies. complete with packing rings.

5 jointing rings. packing rings.

3 air escape screws.



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3. 2.

Starting air valves, top.

- 1 off complete.
- 1 valve spindle.
- 4 spindle rings.
- 5 springs.
- 15 safety caps.

Starting air valves, bottom.

- 1 off complete.
- 5 springs.
- 15 safety caps.

Safety valves, top.

- 1 off complete.
- 1 valve.
- 3 springs.

Safety valves, bottom.

- 1 off complete.
- 1 valve.
- 3 springs.

Pistons.

- 1 piston complete with rod, piston rod sleeve and packing rings.
- 1 piston rod sleeve.
- 12 L shaped piston rings.
- 24 piston packing rings.
- 2 telescopic pipes with flange and gland.
- 1 air vessel for piston cooling.

Exhaust piston valves, top.

- 3 off complete with packing rings.
- 18 packing rings.



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3.

Exhaust piston valves, bottom.

3 off complete with packing rings.

18 packing rings.

Piston rods.

2 sets of scraping rings.

2 fitting rings.

2 springs for scraping gland.

4 scraping rings for gland.

12 jointing rings for gland.

Connecting rods.

2 pairs of crosshead brasses.

4 bolts with nuts for same.

1 pair of crank pin brasses.

2 bolts with nuts for same.

Gear for exhaust piston valves.

2 pairs of eccentric straps with liners.

4 bolts with nuts.

2 bushes for top end of eccentric rod.

4 scraping rings for slide valve spindle glands.

4 springs for do.

Main bearings.

2 pairs of main bearing brasses with liners.

4 studs.

Crank shaft.

8 coupling bolts with nuts.

Cam shaft gear.

22 chain links for different chains.



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4. 5.

Oil fuel pumps, top.

- 5 plungers with bushes, guide, top cover and guard plate.
- 10 springs for motion.
- 1 guide roller with shaft & bearing.
- 15 jointing pieces.
- 6 pressure pipes complete ready for use.

Oil fuel pressure pumps, bottom.

- 5 plungers with bushes, guide top cover and guard plate.
- 16 springs for motion.
- 1 guide roller with shaft & bearing.
- 15 jointing pieces.
- 6 pressure pipes complete ready for use.
- 5 valve discs for pressure gauge valve.

Intermediate shafts.

- 1 set of coupling bolts.

Thrust block.

- 1 thrust shoe.

Scavenging air blower.

- 1 lower rotor with shaft and cog wheel.
- 1 upper rotor with shaft and cog wheel.
- 3 bearings.
- 2 springs for flexible coupling.

Assorted lengths of pipes, nuts, bolts, locks, flanges, springs, indicator valves, cylinder lubricating apparatus, packings, jointings etc.



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5.

Auxiliary Engines.

- 1 cylinder complete.
- 1 packing ring for piston gland.
- 3 scraping rings for do.
- 4 springs for gland.
- 2 screws for starting air valve.
- 2 studs with nuts for safety valve.
- 2 studs with nuts for fuel valve.
- 5 studs with nuts for exhaust valve.

Fuel valves.

- 5 off complete with filter inset.
- 5 valve spindles with housing.
- 18 atomizers.
- 6 springs.

Exhaust valves.

- 3 off complete.
- 3 valve spindles.
- 1 guide roller with shaft.
- 12 springs.

Starting air valves.

- 1 starting air valve complete.
- 2 valve spindles with piston and packing rings.
- 4 spindle rings.
- 3 springs.

Safety valves.

- 1 off complete.
- 2 valve discs.
- 3 springs.



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Pistons. each size of generator and electromotor 1 set of carbon

1 off complete with packing rings.

12 packing rings.

Connecting rods.

1 bush for gudgeon pin.

1 pair of crank pin brasses.

2 bolts with nuts.

Main bearings.

1 pair of brasses.

2 studs with nuts.

Cam shaft drive.

10 chain links.

Oil fuel pumps.

3 plungers with housing.

3 springs.

1 guide roller with shaft.

3 jointing pieces.

3 oil fuel pressure pipes ready for use.

1 ball for non return valve.

3 filters.

Manoeuvring air compressors.

8 piston packing rings.

4 HP suction valves complete.

4 HP delivery valves complete.

8 LP suction valves complete.

4 springs.

Assorted lengths of pipes, nuts, bolts, locks, springs, jointings, ball bearings, valves etc.



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7.

For each size of generator and electromotor 1 set of carbon brushes, $\frac{1}{4}$ set brush holders and assorted ball bearings.



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Rudd
& Francis
M 1

27/5 Rutlandia
28/5 Rutlandia

List of Spare Gear
m/s Jutlandia
Spr. Rpt. No. 9481.

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II Auxiliary Air Pump

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