

## List of Spare Parts, Unrestricted Service

Spare parts are **requested** by the following Classes only: GL, KR, NK and RS, while just **recommended** by: ABS and LR, but neither requested nor recommended by: BV, CCS, DNV and RINA.

### Cylinder cover, plate 2272-0300 (901 and more)

- 1 Cylinder cover with fuel, exhaust and starting valves, indicator valve and sealing rings (disassembled)
- ½ set Studs for 1 cylinder cover

### Piston and piston rod, plates 2272-0400/0420/0500 (902)

- 1 Piston complete (with cooling pipe), piston rod, piston rings and stuffing box, studs and nuts
- 1 set Piston rings for 1 cylinder

### Cylinder liner, plate 2272-0600 (903)

- 1 Cylinder liner inclusive of sealing rings and gaskets.

### Cylinder lubricating oil system, plates 3072-0600, 6670-0100 (903) <sup>1)</sup>

- 1 set Spares for lubricating oil system for 1 cylinder
- 2 Lubricator backup cable

### Connecting rod, and crosshead bearing, plates 1472-0300, 2572-0300/0200 (904)

- 1 Telescopic pipe with bushing for 1 cylinder
- 1 Crankpin bearing shells in 2/2 with studs and nuts
- 1 Crosshead bearing shell lower part with studs and nuts
- 2 Thrust pieces

### Thrust block, plate 2572-0600 (905)

- 1 set Thrust pads for 'ahead'  
For NK also one set 'astern' if different from 'ahead'

### HPS - Hydraulic Power Supply, plates 4572-1000/0750, 4572-1100/1200/1250 (906) <sup>1 and 2)</sup>

- 1 Proportional valve for hydraulic pumps
- 1 Leak indicator
- 1 Safety coupling for hydraulic pump
- 1 Accumulator
- 6 Chain links. Only for ABS, LR and NK
- 1 set Flex pipes, one of each size

### ME filter, plate 4572-0800

- 1 set Filter cartridges for redundancy filter. Cartridge filtration ability, minimum Beta<sub>6</sub>=16

### Engine control system, plate 906 <sup>2)</sup>

- 1 Multi Purpose Controller MPC
- 1 Multi Purpose Controller MPC-10, if applied

- 1 Trigger sensor for tacho system, only if trigger ring
- 1 Marker sensor for tacho system
- 1 Tacho signal amplifier
- 1 ID-key
- 1 Encoder
- 1 Fuse kit

### Starting valve, plates 3472-0200/0250 (907)

- 1 Starting valve, complete
- 1 Solenoid valve <sup>1)</sup>

### Hydraulic cylinder unit, plates 4572-0500/0100/0900, 4272-0500 (906, 907) <sup>1 and 2)</sup>

- 1 Fuel booster barrel, complete with plunger
- 1 FIVA valve complete
- 1 Suction valve complete
- 1 set Flex pipes, one of each size
- 1 High-pressure pipe kit
- 1 Packing kit

### Exhaust valve, plates 2272-0200/0210/0240 (908)

- 2 Exhaust valves complete  
(The 2nd exhaust valve is mounted in the Cylinder cover complete)
- 1 High-pressure pipe from actuator to exhaust valve
- 1 Exhaust valve position sensor

### Fuel valve, plates 4272-0200/0100 (909)

- 1 set Fuel valves of each size and type fitted, complete with all fittings, for one engine
  - a) engines with one or two fuel valves: one set of fuel valves for all cylinders on the engine
  - b) engines with three and more fuel valves per cylinder: two fuel valves complete per cylinder, and a sufficient number of valve parts, excluding the body, to form, with those fitted in the complete valve, a full engine set
- 1 set High-pressure pipe, from fuel oil pressure booster to fuel valve

### Turbocharger, plate 5472-0700 (910)

- 1 set Maker's standard spare parts

### Bedplate, plates 1072-0400, 2572-0400 (912)

- 1 Main bearing shell (1 upper and 1 lower) of each size
- 1 set Studs and nuts for 1 main bearing

<sup>1)</sup> MD required spare parts.

<sup>2)</sup> All spare parts are requested by all Classes.

*Note: Plate numbers refer to the Instruction Manual containing plates with spare parts (older three-digit numbers are included for reference)*

Fig. 19.06.01: List of spare parts, unrestricted service: 4 87 601