

*SRC-XS and SRC-S series compressors*  
*Maintenance*  
*(SA-14-02-E)*

14. MAINTENANCE

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## 14. Maintenance

- LUBRICANTS.

The lubricants have high thermal and chemical stability: if installation is performed correctly, the oil normally does not need to be changed. Periodically test the acidity of the oil to prevent damage to the motor or the compressor and, if necessary, perform the following operations:

- ✓ clean the circuit placing an acid filter in the suction line;
- ✓ change the oil and the oil filter;
- ✓ purge the system from the highest point on the discharge side.

The oil can be drained through the service valve and the plug on the bottom of the suction cover (see chapter SA-02: “*Lubrication*”). The oil can be recharged through the service valve, creating a vacuum inside the compressor.

- BEARINGS.

The bearings in the compressor are designed to ensure 40,000 hours of operation with correct lubrication (oil filter clean and oil pressure within the limits, see paragraph EA-02: ‘*Lubrication*’) and continuous load within the limits specified in chapter EA-10: “*Application range*”. Any alteration of the above-mentioned conditions and excessive changeability of the load may bring a drastic reduction in the effective working life. The bearings must be replaced by qualified personnel in a specially equipped workshop.

- ROTORS ROTATION DIRECTION.

If the reverse rotation, which occurs when the compressor stops to balance the pressure, lasts more than 3 seconds, the check valve located underneath the discharge shut-off valve may be damaged, and consequently must be replaced. In any case, the reverse rotation must not last more than 5 seconds to avoid damage to the compressor and the unwanted activation of the INT 69 RCY protection module.

On table A, necessary check outs and maintenance operations are listed:

Time (h)	50-100	1000	10000	20000	30000	40000
Oil filter	C/S					S
Oil	C	C	C	C	C	S
Suction filter		C	C		C	C
Solenoid valves		C	C	C	C	C
Bearings						S
Check valve		C	C	C	C	C
INT module		C	C	C	C	C
Feeding voltage	C	C	C	C	C	C
Motor contactors		C	C	C	C	C

S = substitute    C = check

**Table A: maintenance plan;**