

8.1 Preservation

Engine Preservation

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If the engine is to remain idle for an extended period of time, it is necessary to take protective measures to prevent rusting. The preservative measures described here will protect the engine for up to 6 months. The procedure will have to be reversed before the engine is recommissioned.

- Anti-corrosion oils to specification:
MIL-L-21260B
TL 9150-037/2
Nato Code C 640 / 642
- Anti-corrosion media for exterior protection only to specification:
Nato Code C 632
- Recommended cleaning agent to remove preservatives:
Petroleum benzine
(hazardous materials class A3)

8.1.1 Preserving Engine

- Clean engine using high-pressure equipment (or with cold-cleansing agent in emergency).
- Run engine until warm, then turn off.
- Drain engine oil (see 6.1.2) and fill with anti-corrosion oil.
- If necessary, clean oil bath cleaner (see 6.4.3) and fill with anti-corrosion oil.
- Drain fuel tank.
- Make up a mixture of 90% diesel fuel and 10% anti-corrosion oil, and refill fuel tank.
- Allow engine to run for approx. 10 mins.
- Switch off engine.
- Turn engine over manually several times to preserve cylinders and combustion chamber.
- Remove V-belts and store in wrapped condition.
- Spray grooves on V-belt pulleys with anti-corrosion spray.
- Close intake ports and exhaust ports.

8.1.2 Removing Engine Preservatives

- Remove anti-corrosion agent from grooves in V-belt pulleys.
- Install V-belt, retension after brief operation if necessary, see 6.5.
- Remove covers from intake port and exhaust port.
- Commission engine, see also 5.1, note 2.