

Preventive maintenance

Preventive maintenance periods

The preventive maintenance periods in the schedules below apply to average conditions of operation. Check the periods given by the manufacturer of the equipment in which the engine is installed. Use the periods that are shortest. When the operation of the engine must conform to the local regulations these periods and procedures may need to be adapted to ensure correct operation of the engine.

It is good preventive maintenance to check for leakage and loose fasteners at each service.

These maintenance periods only apply to engines that are operated with fuels and lubricating oils that conform to the specifications given in this handbook.

Schedules

The schedules, that follow, must be applied at the interval (hours or months) that occur first.

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|----------|-------------------------------|----------|------------------------------|
| A | Every day or every 8 hours | D | Every 200 hours or 6 months |
| B | First service (20 / 50 hours) | E | Every 400 hours or 12 months |
| C | Every 100 hours or 3 months | F | Every 600 hours or 18 months |

A	B	C	D	E	F	Operation
●	●	●	●	●		Check the coolant level (top up with coolant only)
				●		Check the concentration of the coolant
				●		Renew the coolant (fill slowly, ensure correct quantity is used)
●			●	●		Check the level of the engine lubricating oil
	●	●	●	●		Renew the engine lubricating oil (fill slowly, ensure correct quantity is used)
	●	●	●	●		Renew the engine oil filter
	●	●	●	●		Drain water from the fuel filter and pre-filter
			●	●		Renew the fuel filter canister (N.B. Airvent screws on filter and fuel pump)
●	●	●	●	●		Check tension of the alternator drive belt
				●		Check the alternator drive belt for wear
				●		Renew the alternator drive belt
		●		●		Check and adjust idle speed
				●		Tighten the cylinder head
				●		Check and adjust valve clearances
				●		Check electrical systems
				●		Check all nuts and bolts for tightness
				●		Check the injectors for performance
	●	●	●			Clean the air filter (earlier check may be necessary)
				●		Renew the air filter element
●	●	●	●	●		Check and correct any leaks or engine damage

Note: All operations to be carried out by trained personnel with reference to the Workshop Manual where necessary.