

4

Maintenance

Maintenance periods

Use the procedures in this chapter to maintain your engine in accordance with the maintenance schedule.

These maintenance periods apply only to engines that are operated with fuel, lubricating oil and coolant that conform to the specifications given in this handbook.

Maintenance and overhaul schedule

The maintenance operations must be applied at the interval (hours or months) which occurs first.

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|---|------------------------------|---|-------------------|
| A | Daily | D | Every 5000 hours |
| B | Every 500 hours or 12 months | E | Every 7500 hours |
| C | Every 12 months | F | Every 15000 hours |

A	B	C	D	E	F	Operation
●						Check the coolant level
●						Check the lubricating oil level
●						Check the restriction indicators for the air filters and, when necessary, renew the filter elements
●						Drain all water/sediment from the primary fuel filter
●						Visual inspection of the engine systems
	●					Renew the lubricating oil and the lubricating oil filters
	●					Renew the canister of the main fuel filter
	●					Clean the crankcase breather filter
	●					Check the condition and the tension of all drive belts
	●					Inspect/renew the coolant hoses and clips
	●					Check that the air charge cooler and radiator matrix are clean and free from debris
	●					Adjust bridge pieces and check valve clearances ⁽¹⁾
		●				Drain and flush the coolant system and renew coolant mixture
		●				Check the engine protection devices ^{(1) (2)}
		●				Inspect the engine mountings
			●			Ensure that the fuel injectors are checked and correct or renewed if necessary ^{(1) (2)}
				●		Inspect the turbocharger ^{(1) (2)}
				●		Inspect the alternator ^{(1) (2)}
				●		Inspect the starter motor ^{(1) (2)}
				●		Inspect coolant pump ^{(1) (2)}
					●	Inspect the crankshaft vibration damper ^{(1) (2)}

(1) By a person who has had the correct training.

(2) For further information refer to the relevant workshop manual.

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