

Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

Valvoline All-Fleet Extreme motor oil

112/03

Valvoline All Fleet Extreme SAE 10W-40 is a SHPD, Super High Performance Diesel motor oil for use in heavy-duty (turbo)diesel engines of trucks and buses and industrial engines. The oil is engineered to meet long drain requirements of major engine manufacturers and give protection over a long time period. All Fleet Extreme SAE 10W-40 fulfils the API CI-4 specification, which means that the oil can be used in engines with EGR systems (Exhaust Gas Recirculation). The ACEA E7-04 specification shows that the oil is suitable for the latest EURO 1,2,3,4 engines with SCR katalysor systems for Nox reduction. (The oil is not intended for DPF Diesel Particle Filters). All Fleet Extreme SAE 10W-40 is partly synthetic and therefore has better low temperature properties.

The Valvoline All-Fleet Extreme motor oil advantages

- * **Wear protection:** Strong oil film protects the engine against wear and corrosion.
- * **Engine cleanliness:** Keeps the engine clean and in good condition over a long drain period.
- * **Break Down resistance:** Thermal and Oxidation stable oil film.
- * **Service intervals:** Extended service intervals and long-drain oil refreshment periods.
- * **Winter start-ups:** Easy start-ups even under very cold circumstances.
- * **OEM approved motor oil:** Recommended and approved by major engine manufacturers

Approvals/performance levels	Viscosity Grade
API CI-4, CH-4, CG-4	10W-40
ACEA E7-04 issue 2, E5-02, E3-96/4	10W-40
MAN 3275	10W-40
MercedesBenz 228.3	10W-40
Volvo VDS-3	10W-40
Renault RLD/RLD-2	10W-40
Cummins 20.076/77/78	10W-40
Mack EO-M+	10W-40
DHD-1	10W-40
MTU typ 2	10W-40
Caterpillar ECF 1,2	10W-40
Deutz DQC III	10W-40

Typical Properties	10W-40
Viscosity, mm ² /s @ 100°C.	14.0
Viscosity, mm ² /s @ 40°C.	93.3
Viscosity Index	154
Viscosity, mPa.s @ -25°C.	<7000
Sulphated Ash, wt. %	1.4
TBN, mg KOH/g (ASTM D-2896)	10.8
Pour Point, °C.	-42
Specific Gravity @ 15°C.	0.873
Flash Point, COC, °C.	220

This information only applies to products manufactured in the following location(s): Europe

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