

Product Information

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Valvoline™ HD (singlegrade)

106/05

Valvoline HD motor oil is a premium quality, heavy duty motor oil, for use in gasoline and diesel engines where a single grade motor oil is recommended by the engine manufacturer. This motor oil is especially engineered for use in service fleets where it helps prevent formation of sludge caused by frequent stop-and-go driving conditions. The product can also be used in some cases as hydraulic oil or gear oil where specified by the manufacturer of the machine.

The Valvoline HD 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.
- * **Break Down resistance:** Thermal and Oxidation stable oil film.

Approvals/performance levels	Viscosity Grade				
API CF-4/SG	10W	20W-20	30	40	50
Caterpillar TO-2	10W	20W-20	30		
MAN 270			30	40	

Typical Properties	10W	20W-20	30	40	50
Viscosity, mm ² /s @ 100°C.	6.6	8.5	10.5	14.6	20.0
Viscosity, mm ² /s @ 40°C.	39	57	85.1	142	230
Viscosity Index	121	124	106	102	100
Viscosity, mPa.s @ -15°C.		<9500			
Viscosity, mPa.s @ -25°C.	<7000				
Sulphated Ash, wt. %	0.9	0.9	0.9	0.9	0.9
TBN, mg KOH/g (ASTM D-2896)	6.4	6.4	6.4	6.4	6.4
Pour Point, °C.	-36	-33	-24	-21	-18
Specific Gravity @ 15°	0.869	0.885	0.885	0.890	0.895
Flash Point, COC, °C.	210	215	232	235	238

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

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