Technical Data Sheet

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

Valvoline SynPower motor oil 001/15

Valvoline SynPower motor oil is a premium fully synthetic motor oil, formulated with the highest quality synthetic base oils, enhanced with the most advanced additive technology. SynPower motor oil provides the ultimate performance in meeting the latest requirements for virtually all cars and light trucks (vans) including gasoline, diesel, and LPG engines. SynPower motor oils provide superior protection at start-up, even under extreme conditions. Suitable for extra longdrain intervals (see approvals/performance levels).

The Valvoline SynPower Motor Oil advantages

*** Breakdown Resistance:**	Increases thermal and oxidation stability
* **Deposit Control:**	Reduces formation of sludge and varnish deposits
* **Wear Protection:**	Improves oil film strength and breakdown resistance
* **Volatility:**	Lowers oil vaporization and consumption at extreme conditions
*** Cold start Properties:**	Oil flows easily at low temperatures

Approvals/performance levels	Viscosity		Grade
API SJ/CF	0W-40		
API SM/CF		5W-30	5W-40
ACEA A3-98, B3-98, B4-98	0W-40		
ACEA A3/B4-04		5W-30	5W-40
Mercedes Benz 229.3*	0W-40	5W-30	5W-40
Volkswagen 503.01 (5/2000)	0W-40		
Volkswagen 502.00/505.00 (1/97)	0W-40	5W-30	5W-40
BMW LL-98	0W-40		
BMW LL-01		5W-30	
GM LL-A-025, LL-B-025		5W-30	
Renault RN0710			5W-40
* includes MB 229.1			

Typical Properties	0W40	5W30	5W40
Viscosity, mm^2/s @ 100 ºC	13.3	11.8	14.7
Viscosity, mm^2/s @ 40 ºC	73	69	88
Viscosity Index	183	167	174
Viscosity, mPa.s -30 ºC		<6600	<6600
Viscosity, mPa.s - 35°C	<6200		
Sulphated Ash, wt. %	1.2	1.3	1.2
TAN; mg KOH/g (ASTM D-664)	2.5	2.5	2.5
TBN; mg KOH/g (ASTM D-2896)	10.5	11.0	10.3
Pour Point, ºC	-54	-42	-42
Specific Gravity @ 15/15ºC	0.861	0.860	0.853
Flash Point, COC, ºC	226	216	220

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

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