

VALVOLINE™ 4-STROKE SYNTHETIC MOTORCYCLE OIL

Valvoline 4-Stroke Synthetic Motorcycle Oils are designed specifically for motorcycles. Motorcycles place special demands on engine oil that automotive oils are not designed to handle. The wet clutch system, high RPMs and temperatures, and metals found in motorcycles require special properties for proper performance and protection. Valvoline Synthetic Motorcycle Oils use the highest quality synthetic base oils and advanced additives to bring out the best in your machine.

Valvoline 4-Stroke Synthetic Motorcycle Oil advantages:

- Provides high temperature protection
- Outstanding wet clutch protection for maximum power transfer and smooth shifting
- Maximizes power and acceleration
- Excellent wear and corrosion protection
- Added protection against harmful deposits
- Excellent Shear Stability
- Excellent Film Strength
- For use in 4-Stroke Motorcycles, including Cruisers and Off-Road Motorcycles

Approvals and Licenses:	SAE 10W-40	SAE 20W-50
Meets or Exceeds API SF/SG/SJ	YES	YES
Meets or Exceeds JASO MA2	YES	YES

Typical Properties:	SAE 10W-40	SAE 20W-50
Vis @ 100°C (cSt)	14.1	20.5
Vis @ 40°C (cSt)	95.4	162
Viscosity Index	152	147
Spec Gravity @ 60°F	0.858	0.8606
Density (lbs/gal)	7.16	7.34
Total Base No.	8	8
Flash COC (°C)	225	230
Pour Point (°C) max	-39	-36
CCS cP (°C)	6200(-25 ⁰ C)	5200(-15 ⁰ C)
MRV TP-1 cP (°C)	38000(-30 ⁰ C)	28000(-20 ⁰ C)
Noack % off @ 250°C	<15.0	<15.0
Sulfated Ash, wt. %	0.80	0.80
Zinc/Phosphorus, wt. %	0.112/0.100	0.112/0.100
Calcium/Sodium, wt. %	0.188/0.052	0.188/0.052

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

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10-8-10

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Author's Initials:
DJD

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