



Q[®] HIGH-RPM SYNTHETIC BLEND MOTOR OIL

DESCRIPTION

Whether your car has a muscular V-8 or a 4-cylinder turbo, there's nothing like the rush of pushing the RPM's. But when you rev high, you also rev hot, generating the kind of excess friction that can break conventional oils down and rob your engine of power.

New Q[®] HIGH-RPM SYNTHETIC BLEND MOTOR OIL is specially formulated to maximize the performance and power of your high output engine. When heat and stress are at their most severe, special heat-activated additives are unleashed to provide a low-friction, heat-resistant lubrication film. This advanced protective layer helps reduce the coefficient of friction, prevent oil shearing and resist thermal breakdown even in engines that red line at 8,000 RPM. The result: less friction, better protection at high RPMs, and best of all maximum power with an oil that stays in grade.

APPLICATION

The unique properties of Q[®] HIGH-RPM SYNTHETIC BLEND MOTOR OIL are specially apparent in the following applications:

- Vehicles with over 200 HP
- Vehicles that rev up to 8,000 RPMs
- Modified vehicles
- Racing vehicles that have street legal engines

FEATURES

Compared to conventional oils, Q[®] HIGH-RPM SYNTHETIC BLEND MOTOR OIL provides:

- Unsurpassed protection against engine friction, especially as temperatures increase
- Improved resistance to molecular shear with better oil durability
- Advanced resistance to viscosity breakdown in high revving engines
- Better protection against harmful deposits
- Excellent low-temperature lubrication

PERFORMANCE

Q[®] High-RPM Synthetic Blend Motor Oil meets or exceeds:

- North American warranty requirements for U.S., European and Japanese vehicles with gasoline, gasoline turbo-charged, and light-duty diesel engines where API SM, SL, SJ, CF oils are required,
- ILSAC GF-4 and Energy Conserving performance standards (5W-30 & 10W-30)
- The GM 6094 specification (SAE 5W-30 & 10W-30)
- The Chrysler MS 6395 specification (SAE 5W-30, SAE 10W-30)
- The European Peugeot TU-5 specification for long term oxidation stability
- The Daimler Chrysler MS-10725 specification for wear protection performance

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TEST	METHOD	TYPICAL RESULTS		
SAE Grade		5W-30	10W-30	20W-50
API Service		SM	SM	SM
ILSAC class		GF-4	GF-4	
Gravity, °API	ASTM D-287	33.0	30.4	29.3
Viscosity				
@ 40°C, cSt	ASTM D-445	68.2	69.8	163
@ 100°C, cSt	ASTM D-445	10.6	10.5	18.2
Viscosity Index	ASTM D-2270	155	138	124
Flash Point, °C	ASTM D-93	440	442	493
Pour Point, °C	ASTM D-97	-39	-33	-30
CCS Viscosity, cP (°C)	ASTM D-5293	5,890 (-30)	6,100 (-25)	7,210 (-15)
MRV Viscosity, cP (°C)	ASTM D-4684	18,000 (-35)	19,300 (-30)	18,500 (-20)
HT/HS Viscosity, cP	ASTM D-4683	3.1	3.2	4.8
Noack Volatility, %	ASTM D-5800	11.3	10.3	4.0