



ROYAL PURPLE[®] HIGH PERFORMANCE MOTOR OIL

API LICENSED MOTOR OIL

Royal Purple's High Performance Motor Oil combines premium base oils with proprietary additive technologies to create high performance synthetic oil that optimizes engine performance. Royal Purple[®] High Performance Motor Oil carry the current API and ILSAC engine oil licenses, as well as the GM dexos1[™]* gasoline engine oil approval.

Performance Advantages

BETTER WEAR PROTECTION

Enhanced additive technology prevents metal-to-metal contact beyond both GM dexos1[™]* and ILSAC GF-6 specs

INCREASED FUEL EFFICIENCY

A low coefficient of friction results in optimized fuel efficiency (the fuel economy of our 5W-30 meets the fuel economy requirements of a 5W-20 oil)

BETTER PROTECTION FOR VEHICLE EXHAUST EMISSIONS EQUIPMENT

Patented anti-wear additive chemistry minimizes the harmful effects exhaust gases pose to the catalyst

IMPROVED COMPATIBILITY WITH FUELS CONTAINING ETHANOL

Patented additive technology prevents the white sludge and lubrication starvation that can occur with higher concentration gasoline-ethanol blends

SUPERIOR CORROSION PROTECTION

No rust observed in standard industry testing

INCREASED PROTECTION AGAINST LSPI

Advanced additive chemistry helps reduce Low Speed Pre-Ignition in today's turbocharged Gasoline Direct Injection engines. Excluding 0W-40, 5W-40, and straight grade engine oils.

OEM Specifications

- SAE 0W-20:** Meets Chrysler FCA US MS-6395, Ford WSS-M2C962-A1, GM dexos1[™]* Gen 2, API SP, ILSAC GF-6 specifications
- SAE 5W-20:** Meets Chrysler FCA US MS-6395, Ford WSS-M2C960-A1, API SP, ILSAC GF-6 specifications
- SAE 5W-30:** Meets Chrysler FCA US MS-6395, Ford WSS-M2C961-A1, GM dexos1[™]* Gen 2, API SP, ILSAC GF-6 specifications
- SAE 10W-30:** Meets Chrysler FCA US MS-6395, GM6094M, API SP, ILSAC GF-6 specifications
- SAE 0W-40:** Meets and/or exceeds European specs ACEA A3/B4-12 warranty requirements and is recommended for passenger car gasoline and light duty diesel engines, Meets API SN warranty requirements
- SAE 5W-40:** Meets and/or exceeds European specs ACEA A3/B4-12 warranty requirements and is recommended for passenger car gasoline and light duty diesel engines, Meets API SN warranty requirements



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		SAE GRADE					
Typical Properties*	Method	0W-20	5W-20	5W-30	10W-30	0W-40	5W-40
		SP	SP	SP	SP	SN	SN
Viscosity	D445						
cSt @ 40°C		45.75	46.19	62.4	61.59	79.9	93.7
cSt @ 100°C		8.59	9.55	10.54	10.05	14.3	15.7
Viscosity Index	D2270	168	153	159	150	182	179
HTHS	D5481	2.7	2.6	3.1	3.2	3.58	3.91
Pumping Viscosities	D4684						
cP @ -40°C		34,200	—	—	—	20,000	—
cP @ -35°C		—	18,400	25,200	—	—	13,040
cP @ -30°C		—	—	—	12,000	—	—
cP @ -25°C		—	—	—	—	—	—
cP @ -20°C		—	—	—	—	—	—
Flash Point °C (°F)	D92	232 (450)	227 (440)	238 (460)	243 (470)	241 (465)	218 (425)

*Properties are typical and may vary.

		SAE GRADE		
Typical Properties*	Method	30	40	50
		SJ	SJ	SJ
Viscosity	D445			
cSt @ 40°C		79	121	182
cSt @ 100°C		10.6	14.2	18.6
Viscosity Index	D2270	119	113	113
Flash Point °C (°F)	D92	229 (445)	235 (455)	224 (435)
Total Base no.	D2896	9.7	9.7	9.7

*Properties are typical and may vary.