



ROYAL PURPLE[®] API-LICENSED MOTOR OIL

HIGH PERFORMANCE MOTOR OIL

Royal Purple's API-licensed Motor Oil combines premium base oils with proprietary additive technologies to create high performance synthetic oil that optimizes engine performance. Royal Purple[®] API-licensed engine oils 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-5 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, GM dexos1[™]* Gen 2, API SN Plus, ILSAC GF-5 specifications
- SAE 5W-20:** Meets Chrysler FCA US MS-6395, Ford WSS-M2C945-A, API-SN Plus, ILSAC GF-5 specifications
- SAE 5W-30:** Meets Chrysler FCA US MS-6395, Ford WSS-M2C946-A, GM dexos1[™]* Gen 2, API SN Plus, ILSAC GF-5 specifications
- SAE 10W-30:** Meets Chrysler FCA US MS-6395, GM6094M, API SN Plus, ILSAC GF-5 specifications
- SAE 0W-40:** Meets and/or exceeds European specs ACEA A3/B3-04 warranty requirements and is recommended for passenger car gasoline and light duty diesel engines.
- SAE 5W-40:** Meets and/or exceeds European specs ACEA A3/B3-04 warranty requirements and is recommended for passenger car gasoline and light duty diesel engines.



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Typical Properties*	Method	SAE GRADE					
		0W-20 SN PLUS	5W-20 SN PLUS	5W-30 SN PLUS	10W-30 SN PLUS	0W-40 SM	5W-40 SM
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	D4683	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.

Typical Properties*	Method	SAE GRADE		
		30 SJ	40 SJ	50 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.