

ROYAL PURPLE® API-LICENSED MOTOR OIL

Royal Purple meets both dexos1™* and ILSAC GF-5 specifications in critical lubrication performance:

- **Better wear protection** – Enhanced additive technology prevents metal-to-metal contact beyond both 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 of the expensive catalytic emission system** – Patented ZDDP additives optimize emissions catalyst system life
- **Improved compatibility with fuels containing ethanol** – Patented additive technology prevents the white sludge and lubrication starvation that can occur with 20% or higher ethanol fuel
- **Superior corrosion protection** – No rust observed in standard industry testing

*dexos1™ is a registered trademark of the General Motors Corporation.



Multi-Grade Oils: 0W-20, 0W-40, 5W-20, 5W-30, 5W-40, 10W-30, 10W-40, 15W-40, 20W-50

MULTI-GRADE OILS — TYPICAL PROPERTIES*

SAE GRADE / API SERVICE	0W-20 ¹	0W-40 ⁴	5W-20 ^{1,5}	5W-30 ^{1,5}	5W-40 ⁴	10W-30 ^{1,6}	10W-40	15W-40 ^{2,3}	20W-50
ASTM TESTS	SN	SM	SN	SN	SM	SN	SN	CJ-4	SN
D-445 Viscosity									
cSt @ 40°C	42.58	79.9	48.58	60.62	93.7	65.27	83.67	105	181.4
cSt @ 100°C	8.37	14.3	8.5	10.42	15.7	10.75	13.36	14.8	20.23
D-2270 Viscosity Index	177	182	153	162	179	155	162	146	130
D-4684 Pumping Viscosities									
cP @ -40°C	34,200	20,000	—	—	—	—	—	—	—
cP @ -35°C	—	—	18,400	25,200	13,040	—	—	—	—
cP @ -30°C	—	—	—	—	—	12,000	15,000	—	—
cP @ -25°C	—	—	—	—	—	—	—	15,000	—
cP @ -20°C	—	—	—	—	—	—	—	—	27,700
D-92 Flash Point °F	420	465	435	420	425	425	425	430	425
D-92 Fire Point °F	450	495	470	460	470	480	470	470	480

* Properties are typical and may vary.

¹ API energy conserving.

² For use in both gasoline and diesel engines.

³ 15W-40 meets Cummins CES 20081, DDC Powerguard 93K218, Mack EO-O Premium Plus, Renault VI RLD-3 and Volvo VDS-4 engine oil requirements.

⁴ 0W-40 and 5W-40 meets and or exceeds European specs ACEA A3/B3-04 warranty requirements.

⁵ 5W-20 and 5W-30 meets Chrysler MS-6395T, Ford WSS-M2C945-A and GM6094M specification.

⁶ 10W-30 meets Chrysler MS-6395T and GM6094M specification.

API designations are subject to change. Call our technical department at 888.382.6300 for additional information. For a complete list of OEM approved applications download a product sheet at www.royalpurple.com.



STRAIGHT-GRADE OILS — TYPICAL PROPERTIES*

		SAE GRADE / API SERVICE		
		30	40	50
ASTM TEST		SJ	SJ	SJ
D-445	Viscosity			
	cSt @ 40°C	79.0	121.0	182.0
	cSt @ 100°C	10.6	14.2	18.6
	SUS @100°F	408	631	955
	SUS @ 210°F	63	74	92
D-2270	Viscosity Index	119	113	113
D-92	Flash Point °F	445	455	435
D-92	Fire Point °F	465	490	480

*Properties are typical and may vary.
 Straight-Grade Oils: SAE 30, SAE 40, SAE 50

PART NUMBERS

Straight-Grade			5W-20			10W-40			
SAE 30	5-Gal. Pail	05030	5-Gal. Pail	05520	5-Gal. Pail	05140	5-Gal. Pail	05140	
	12-Qt. Case	12030	5-Qt. Case	54520	4-Gal. Case	44140	4-Gal. Case	44140	
	1-Qt. Bottle*	01030	5-Qt. Bottle*	51520	1-Gal. Bottle*	04140	1-Gal. Bottle*	04140	
SAE 40	12-Qt. Case	12040	12-Qt. Case	12520	12-Qt. Case	12140	12-Qt. Case	12140	
	1-Qt. Bottle*	01040	1-Qt. Bottle*	01520	1-Qt. Bottle*	01140	1-Qt. Bottle*	01140	
SAE 50	5-Gal. Pail	05050	5W-30	5-Gal. Pail	05530	15W-40	5-Gal. Pail	05154	
	12-Qt. Case	12050	5-Qt. Case	54530	4-Gal. Case	44154	4-Gal. Case	44154	
	1-Qt. Bottle*	01050	5-Qt. Bottle*	51530	1-Gal. Bottle*	04154	1-Gal. Bottle*	04154	
			12-Qt. Case	12530	12-Qt. Case	12154	12-Qt. Case	12154	
			1-Qt. Bottle*	01530	1-Qt. Bottle*	01154	1-Qt. Bottle*	01154	
Multi-Grade			5W-40			20W-50			
0W-20	5-Gal. Pail	05020	5-Gal. Pail	05540	5-Gal. Pail	05250	5-Gal. Pail	05250	
	5-Qt. Case	54020	12-Qt. Case	12540	4-Gal. Case	44250	4-Gal. Case	44250	
	5-Qt. Bottle*	51020	1-Qt. Bottle*	01540	1-Gal. Bottle*	04250	1-Gal. Bottle*	04250	
	12-Qt. Case	12020	10W-30	5-Gal. Pail	05130	12-Qt. Case	12250	12-Qt. Case	12250
	1-Qt. Bottle*	01020	5-Qt. Case	54130	1-Qt. Bottle*	01250	1-Qt. Bottle*	01250	
0W-40	12-Qt. Case	11485	5-Qt. Bottle*	51130					
	1-Qt. Bottle*	11484	12-Qt. Case	12130					
			1-Qt. Bottle*	01130					

*Available in Cases Only

Royal Purple recommends waiting until the manufacturer's first scheduled oil change or a minimum of 2,000 miles in new gasoline engines before using Royal Purple. Allow 8,000 to 10,000 miles before use in diesel engines.

TECH TIP