

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.

Part Numbers also Listed on
Pages 41 – 43.

Standard Packaging:
1-Quart Bottles
5-Gallon Pails

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



ENGINE OILS

PART NUMBERS

Straight-Grade

SAE 30	5-Gal. Pail	05030
	12-Qt. Case	12030
	1-Qt. Bottle*	01030
SAE 40	12-Qt. Case	12040
	1-Qt. Bottle*	01040
SAE 50	5-Gal. Pail	05050
	12-Qt. Case	12050
	1-Qt. Bottle*	01050

Multi-Grade

0W-20	5-Gal. Pail	05020
	5-Qt. Case	54020
	5-Qt. Bottle*	51020
	12-Qt. Case	12020
	1-Qt. Bottle*	01020
0W-40	12-Qt. Case	11485
	1-Qt. Bottle*	11484

5W-20	5-Gal. Pail	05520
	5-Qt. Case	54520
	5-Qt. Bottle*	51520
	12-Qt. Case	12520
	1-Qt. Bottle*	01520
5W-30	5-Gal. Pail	05530
	5-Qt. Case	54530
	5-Qt. Bottle*	51530
	12-Qt. Case	12530
	1-Qt. Bottle*	01530
5W-40	5-Gal. Pail	05540
	12-Qt. Case	12540
	1-Qt. Bottle*	01540
	1-Qt. Bottle*	01540
10W-30	5-Gal. Pail	05130
	5-Qt. Case	54130
	5-Qt. Bottle*	51130
	12-Qt. Case	12130
	1-Qt. Bottle*	01130

10W-40	5-Gal. Pail	05140
	4-Gal. Case	44140
	1-Gal. Bottle*	04140
	12-Qt. Case	12140
	1-Qt. Bottle*	01140
15W-40	5-Gal. Pail	05154
	4-Gal. Case	44154
	1-Gal. Bottle*	04154
	12-Qt. Case	12154
	1-Qt. Bottle*	01154
20W-50	5-Gal. Pail	05250
	4-Gal. Case	44250
	1-Gal. Bottle*	04250
	12-Qt. Case	12250
	1-Qt. Bottle*	01250

*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