



# ROYAL PURPLE<sup>®</sup> SYNTHETIC OIL

## Motor Oils

### Beyond Synthetic™

Royal Purple<sup>®</sup> Motor Oil is recommended for use in all four-cycle gasoline engines and both two-cycle and four-cycle diesel applications including automotive, commercial fleet and stationary industrial diesel engines.

Royal Purple<sup>®</sup> Motor Oil is a tough, long life, high performance oil that delivers superior protection and enhanced performance to gasoline and diesel engines. It gains its performance advantages from a blend of synthetic oils plus Royal Purple's proprietary, synthetic Synerlec<sup>®</sup> additive technology.

Synerlec<sup>®</sup> additive technology greatly reduces engine wear, including ring, cylinder and bearing wear. It is extremely tenacious, adheres to engine surfaces and remains after shutdown, which provides protection upon initial startup.



Multi-Grade Oils: 5W20, 5W30, 10W30, 10W40, 15W40, 20W50  
Straight-Grade Oils: SAE 30, SAE 40, SAE 50

### Exclusive Performance Advantages:

- **Greater Wear Protection**  
Synerlec<sup>®</sup> additive technology forms a tough, tenacious film on all metal surfaces virtually eliminating engine wear.
- **Greatly Extends Oil Drain Intervals**  
Royal Purple<sup>®</sup> Motor Oil is extremely oxidation stable and stands up to the heat that causes oils to thicken, to form lacquer and varnish deposits, to lose its lubricity and to shorten the life of both the oil and the engine.
- **Superior Corrosion Protection**  
Synerlec<sup>®</sup> additive technology protects during normal and severe operation and acts as a preservative oil during shutdown.
- **Saves Fuel**  
Royal Purple<sup>®</sup> Motor Oil's low coefficient of friction produces meaningful improvements in fuel economy.
- **Reduces Exhaust Emissions**  
Royal Purple<sup>®</sup> Motor Oil provides a superior seal between the piston ring and cylinder wall, which reduces blow-by, improves combustion efficiency and measurably reduces harmful emissions.
- **Increases Horsepower**  
Royal Purple<sup>®</sup> Motor Oil increases horsepower and torque over other oils.
- **Keeps Engines Clean**  
Royal Purple<sup>®</sup> Motor Oil's natural solvency cleans deposits left by old oils and keeps engines clean.
- **Mates Engine Parts**  
Synerlec<sup>®</sup> additive technology allows engine parts to perfectly mate. Mated parts allow engines to run smoother with increased efficiency for maximum performance.
- **API Warranty Approved**  
Royal Purple's SAE grade motor oils are API licensed and will not void new car warranties. They are compatible with other mineral and synthetic motor oils. Switching is easy. Drain old oil. Change the filter. Add Royal Purple<sup>®</sup> Motor Oil. Follow manufacturer's recommended drain intervals during warranty.
- **Will Not Harm Seals**  
Royal Purple<sup>®</sup> Motor Oil has the same excellent seal compatibility as mineral engine oils.
- **Environmentally Responsible**  
Royal Purple<sup>®</sup> Motor Oil components are TSCA listed and meet EPA, RCRA and OSHA requirements. Royal Purple<sup>®</sup> Motor Oil extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.



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## SYNTHETIC OIL

### Motor Oils

Straight-Grade Oils

Typical Properties\*

ASTM TESTS		SAE GRADE / API SERVICE		
		30 CF,CF-2/SJ	40 CF,CF-2/SJ	50 CF,CF-2/SJ
D-445	Viscosity			
	cSt @ 40°C	79.0	121.0	182.0
	cSt @ 100°C	10.6	13.6	17.9
	SSU @100°F	408	631	955
	SSU @ 210°F	63	74	92
D-2270	Viscosity Index	119	113	108
D-92	Flash Point °F	460	460	460
D-92	Fire Point °F	515	515	515

\*Properties are typical and may vary.



#### ROYAL PURPLE<sup>®</sup> MOTOR OIL Part Numbers

Grade	1-Qt. Bottle	Case	5-Gal. Pail	55-Gal. Drum
SAE 30	RPM30-BQ	RPM30-12C	RPM30-P	RPM30-D
SAE 40	RPM40-BQ	RPM40-12C	RPM40-P	RPM40-D
SAE 50	RPM50-BQ	RPM50-12C	RPM50-P	RPM50-D

Case = 12 / 1-quart bottles



BK Meyers — NMRA Street Renegade