

PRODUCT DATA SHEET

Royal Monarch Syn Diesel Supreme Plus Diesel Engine Oil



PRODUCT DESCRIPTION:

Royal Monarch Syn Diesel Supreme Plus engine oils formulated for extended drain service in the most demanding applications requiring CI-4+/SL additive chemistry in synthetic based oils. At the same time, this oil provides long drain service in conventional engines by promoting longer engine life and reduced component wear by providing higher oil film thickness, better wear performance and improved oxidation control at higher temperatures.

Royal Monarch Syn Diesel Supreme Plus engine oils are a fully synthetic, high performance, all-season diesel engine oil developed for all types of automotive fleet equipment, including on-and off - highway vehicles and farm equipment with heavy-duty diesel engines requiring API CI-4+ performance oil. This product is ideal for gasoline engines where an API SL or SJ performance level is specified.

KEY FEATURES:

- Meets the needs of today's high-performance, fuel efficient, low emission diesel and gasoline engines
- Better cold flow properties for easier starting in colder weather

CUSTOMER BENEFITS:

- Enhanced oxidation stability, valve train wear and deposit control
- Extended oil drain capability
- Overall increased engine protection
- Good shear stability

APPLICATIONS:

For use in heavy-duty diesel engines and Off road Heavy Duty Vehicles used for construction and mining.

SPECIFICATIONS AND APPROVALS:

CI-4+, SL and SJ

PACKAGING:

Totes and Drums

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Typical Properties

Royal Monarch Syn Diesel Supreme Plus					
Product Number	135	136B	136	137	Test Method
SAE Grade	15W50	15W40	5W40	5W30	-
API	32.47	32.08	33.59	33.6	
Specific Gravity	0.86297	0.86502	0.85709	0.85708	ASTM D4052
Lbs/Gal	7.187	7.204	7.138	7.138	
Density	0.86249	0.86453	0.85661	0.8566	
Flash Point °C	212	222	195	199	ASTM D92
Pour Point °C	-36	-39	-39	-39	ASTM D97
Color	<7.5	<7.5	<7.5	<7.5	ASTM D1500
Viscosity@100°C cSt	18.45	14.35	14.35	10.5	ASTM D445
Viscosity@40°C cSt	127	102.8	90.1	61.55	ASTM D445
Viscosity Index (VI)	160	144	170	156	

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.