



# Product Data Sheet



## Monarch Synlube Diesel Supreme Plus

### Full Synthetic Heavy Duty Diesel Engine Oil

Monarch Synlube 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.

Monarch Synlube 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.

#### Product 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	Monarch Syn Diesel Supreme Plus
CI-4+, SL and SJ	✓





## Typical Properties

### Monarch Synlube 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	-
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 7042
Viscosity@40°C cSt	127	102.8	90.1	61.55	ASTM D445
Viscosity Index (VI)	160	144	170	156	-

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

#### Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. [www.royalmfg.com](http://www.royalmfg.com) or call (918)-584-2671.

#### Packaging options:



55 Gal. Drums



275/330 Gal Totes



Bulk