

PRODUCT DATA SHEET

Monarch Synlube Select Engine Oils

Synthetic Passenger Car Engine Oils



PRODUCT DESCRIPTION:

Monarch Synlube Select Engine Oils are fully synthetic, high performance, all - season motor engine oils developed for all types of automotive fleet equipment, specifically for the passenger car engines where an API SN, SM, SL or SJ performance level is specified.

These advanced oils have significantly improved oxidation stability, added detergency and a unique additive package to provide maximum protection over the life of the oil. Additionally, Royal

Monarch Synlube Select Engine Oils motor oils protect today's smaller six-cylinder and four-cylinder engines, turbocharged engines as well as older, larger engines.

KEY FEATURES:

- Extra protection for the increased temperatures of the newer engines
- Protects against startup wear
- Reduced build up of sludge and varnish deposits
- Low friction helps improve gas mileage and longer engine life

CUSTOMER BENEFITS:

- Protects against rust and corrosion
- Excellent anti-wear capabilities
- Cleaner engines and positive crankcase ventilating systems

APPLICATIONS:

ILSAC GF-5, GF-4, GF-3 (5W20, 5W30 and 10W30)

Meets requirements of API Services SH/CD, which replaces SG/CD, SF/CC and MIL-L-2104B

Super premium lubricant for gasoline and certain diesel engines. Follow manufacturers' recommendations

PACKAGING:

Pails, Totes, and Drums

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Typical Properties

| Royal Monarch Synlube Select Engine Oils | | | | | |
|--|-------|-------|-------|-------|-------------|
| Product Number | 138D | 138 | 139 | 140 | Test Method |
| SAE Grade | 5W20 | 5W30 | 10W30 | 15W50 | |
| Viscosity @ 40C, cSt | 40.64 | 58.27 | 62.29 | 127.6 | ASTM D445 |
| Viscosity @ 100C, cSt | 7.55 | 10.35 | 10.5 | 18.5 | ASTM D445 |
| Viscosity @ 100F, SUS | 207.8 | 273 | 316.4 | 653 | ASTM D445 |
| Viscosity @ 210F, SUS | 51.5 | 61 | 63 | 94 | ASTM D445 |
| Viscosity Index | 156 | 172 | 162 | 162 | ASTM D2270 |
| Flash Point, C | 201 | 199 | 209 | 226 | ASTM D92 |
| Pour Point, C | -40 | -40 | -40 | -40 | ASTM D97 |
| API | 35.6 | 34.1 | 33.8 | 32.8 | ASTM D4052 |
| Ash Content, % Weight | 0.7 | 0.7 | 0.7 | 0.7 | |
| Base Number, D2896 | 7.0 | 7.0 | 7.0 | 7.0 | ASTM D2896 |

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.