



TECHNICAL DATA SHEET

HYDRATORQUE 1842-B AUTOMOTIVE LUBRICANT

HYDRATORQUE 1842-B automotive lubricant is a low viscosity synthetic hydrocarbon - synthetic ester blend that is fortified with a proprietary additive system to impart or enhance desirable properties. HYDRATORQUE 1842-B is designed for applications that require good film strength, excellent low and high-temperature viscometrics, superior thermo-oxidative stability, and outstanding antiwear and rust and corrosion performance. HYDRATORQUE 1842-B is essentially nontoxic, especially when proper hygienic practices are followed.

PRODUCT ATTRIBUTES

- ◆ Excellent low and High Temperature Viscometrics
- ◆ Durable Film-formation
- ◆ Outstanding High-temperature Oxidation Performance
- ◆ Improved Rust and Corrosion Resistance
- ◆ Exceptional Thermal and Oxidation Stability
- ◆ Good Materials Compatibility

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES¹

| | | | |
|--|--------|--|------------|
| Viscosity at 40°C – ASTM D 445, cSt | 23.4 | 4-Ball Wear Test – ASTM D 2266 [1500rpm, 40Kg, 2h], Scar Diameter, mm | 0.5 |
| Viscosity at 100°C – ASTM D 445, cSt | 4.3 | Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h] | |
| Low-temperature Viscosity at -30°C – ASTM D 341, cSt | 14,370 | Metal Wt Change, mg | None |
| Pour Point – ASTM D 97, °C | -37 | TAN Change | < 0.1 |
| Flash point – ASTM D 92, °C | 156 | Viscosity Change at 40°C | < 5 |
| Total Acid Number – ASTM D 664 [mg KOH/g] | 1.5 | Foam Test – ASTM D 892 | |
| Rust – ASTM D 665A | None | Seq. 1 (75°F) | 5/0 |
| Copper Corrosion – ASTM D 130 [100 °C, 3h] | 1a | Seq. 2 (200°F) | 25/0 |
| Elastomer Compatibility – ASTM D 471 [Viton, Silicone, Teflon, Buna N] | Pass | Seq. 3 (75°F) | 0/0 |
| Bearing Metals (Steel/Copper) Compatibility | Pass | Operating Temp Range, °F | -30 to 330 |

¹ Please note that these data are typical of samples tested in the laboratory and are not to be considered as sales specifications.