



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.