



TECHNICAL DATA SHEET

5W-20

Supreme Synthetic
Motor Oil

DESCRIPTION

B2 biOil™ 5W-20 “biodegradable/bio-based” Supreme Synthetic Motor Oil is specially formulated using advanced additive technology made with farmed feedstocks and naturally bio-derived renewable compounds for gasoline powered engines requiring API SN / ILSAC GF-5 and earlier categories for passenger automobiles, SUV’s, vans and light trucks. It is a superior performing synthetic lubricant that is much safer for the environment and backwards compatible with previous API and ILSAC Oil categories while also providing superior anti-wear protection, excellent performance in both hot and cold environments; and, drop-in compatibility with petroleum based products.

APPLICATIONS

The oil is perfect for all gasoline powered engines and is well suited for high-temperature automotive and industrial applications to help protect the engine and the environment, recommended for all types of engines...including high performance, turbocharged, Supercharged, Multi-valve and Fuel-injected.

TECHNICAL AND ENVIRONMENTAL FEATURES AND BENEFITS

B2 biOil™ advanced synthetic additive technology helps protect your engine and the environment. They also provide an alternative to petroleum products while still meeting the top performance standards with cleaner emissions while protecting vehicle components against wear and improving fuel efficiencies:

High Oxidative Stability - Low Volatility - Excellent Anti-Wear Performance - High Viscosity Index – Hydrolytic Stability – Low Pour Point – Natural Detergency – Long Lasting (Extended Change Intervals) – High Shear Stability – Less Maintenance

High Biodegradability – Low Bioaccumulation – Low Toxicity – High Bio-Content – Rapid Breakdown – Minimal Environmental Risk – Reduced Risk to Wildlife and the Operator – Renewable Carbon Based

PHYSICAL PERFORMANCE PROPERTIES

| Physical Properties | Method | b2 biOil 5W-20 |
|-----------------------------------|------------|----------------|
| Kinematic Viscosity @ 40°C (cSt) | ASTM D445 | 42.2 |
| Kinematic Viscosity @ 100°C (cSt) | ASTM D445 | 8 |
| Viscosity Index | ASTM D2270 | 160 |
| Flash Point, COC, °C | ASTM D92 | 220 |
| HTHS Viscosity @ 150°C (mPa-s) | ASTM D4683 | 2.7 |
| Pour Point, °C | ASTM D97 | -42 |
| MRV Viscosity (mPa-s) | ASTM 4684 | 17,200 |
| CCS @ -30°C cP | ASTM D5293 | 4252 |
| NOACK | ASTM D5800 | 11 |
| Total Base Number (TBN) | ASTM D2896 | 8.3 |



This product is not classified as hazardous under OSHA definition and not to be used for purposes other than its intended use. Simply wash with soap and water after handling. Although b2 biOil is readily biodegradable, it should be returned once used to used-oil collection centers since it is fully compatible with existing recycling and re-refining infrastructures. Safety Data Sheets are available upon request.



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