

TECHNICAL DATA SHEET

NASA Gear Oil GL-5 80W90

SECTION 1: Product Description & Advantages

1.1 Product Description

NASA Gear Oil GL-5 80W/90 is a high-quality automotive gear oil that provides outstanding performance in most gear applications. Applicable where GL-5 is recommended, NASA Gear Oil meets the needs of service conditions ranging from mild to severe. Tailored for use in manual gearboxes, transmissions, and transaxles, it ensures smooth operation and protects your vehicle's gear system from damage.

1.2 Advantages

1. Very High Levels of Rust and Corrosion resistance.
2. Excellent Oxidation Stability.
3. Very good Thermal Stability.
4. Outstanding Low and High temperature performance.
5. Good Seal Compatibility.

SECTION 2: Typical Data

| Property | Method | Result |
|-------------------------------------|-------------|--------|
| Kinematic viscosity, cSt @ 40 °C | ASTM D 445 | 183.31 |
| cSt @ 100 °C | ASTM D 445 | 16.35 |
| Viscosity Index, | ASTM D 2270 | 92 |
| ASTM Color | ASTM D 1500 | 2.0 |
| Specific Gravity at 85 °F | ASTM D 4052 | 0.890 |
| Sulphated Ash, wt% | ASTM D 874 | 0.0598 |
| Pour Point, °C | ASTM D 97 | -27 |
| Flash Point (COC), °C | ASTM D 92 | 238 |



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