



SHIFT EXTRA

PRODUCT DESCRIPTION:

Shift Extra fully synthetic high-performance gear oil is a top grade, extreme pressure gear oil for high-load manual, auxiliary, transaxle and hypoid transmissions, where a lubricant complying with API GL4 is required. High-quality, synthetic-based oil and modern additive technology ensures a broad application range and optimum transmission lubrication under extreme conditions. The low-viscosity characteristics of this gear oil makes it also suitable where shifting difficulties exist (e.g. stiffness or noise generation).

APPLICATION:

For extreme high-load manual, auxiliary, transaxle and hypoid transmissions, where a lubricant complying with API GL 4 is required.

FEATURES & BENEFITS:

- Excellent viscosity/temperature properties
- Outstanding seal compatibility
- Excellent resistance to aging
- Excellent wear resistance
- High pressure-absorption capability
- Wide viscosity range
- Reduces gearshift resistance
- Excellent corrosion protection
- Reduces transmission noise

PERFORMANCE LEVELS: (Meets & Exceeds)

- API GL-4
- Chrysler MS-9070
- ZF TE-ML 02b, 17a
- MAN 341-Z2 (formerly MAN 341 ML)
- MB 235.5

TYPICAL PROPERTIES:

| PARAMETERS | TEST METHOD | UNIT | SHIFT EXTRA | | |
|-------------------------------------|-------------|-------------------|-------------|----------|----------|
| SAE Grade | | | 75W-80 | 75W-90 | 75W-140 |
| Kinematic Viscosity @ 104°F / 40°C | ASTM D-7042 | cSt | 50.0 | 106 | 180 |
| Kinematic Viscosity @ 212°F / 100°C | ASTM D-7042 | cSt | 8.7 | 17.0 | 27.8 |
| Viscosity Index (min) | ASTM D-2270 | - | 153 | 175 | 193 |
| SP. Gravity @15°C/ 60°F | ASTM D-4052 | g/cm ³ | 0.872 | 0.870 | 0.870 |
| Flash Point (min) | ASTM D-92 | °C | 210 | 210 | 210 |
| Pour Point (max) | ASTM D-97 | °C | -39 | -39 | -39 |
| Brookfield Viscosity @ -40 °C | ASTM D-5293 | mPa.s | <150,000 | <150,000 | <150,000 |

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net