



UNITED UNIQUE ERA

Product Description:

United Unique Era Fully Synthetic Engine Oil is a premium fuel-efficient engine oil, specially designed for use in gasoline and diesel car engines, and in particular for Volkswagen TDI direct injection engine fitted with pump injector.

United Unique Era Fully Synthetic Engine Oil is ideal for modern high-output, low-emission, super or turbo-charged DOHC or GDI engines that are commonly found in the latest European and Japanese models.

Applications / Benefits:

- ▣ A natural High Viscosity Index and low volatility allow super fluidity over a wide range of temperatures and operating conditions.
- ▣ Better detergency, reduced wear. Improves engine performance, yet energy conserving.
- ▣ Reduced friction particularly during cold starts and ensuring better lubrication of the engine components.
- ▣ Excellent anti-oxidation property protects against rust and corrosion, and extends drain interval.

Typical Characteristics:

| Test Description | Method | 5W20 | 5W30 | 5W40 |
|---------------------------------|-------------|-------|-------|-------|
| SAE Viscosity Grade | SAE J 300 | 5W20 | 5W30 | 5W40 |
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.856 | 0.858 | 0.861 |
| Flash Point, °C | ASTM D 92 | 212 | 212 | 220 |
| Pour Point, °C | ASTM D 97 | -39 | -39 | -39 |
| Kinematic Viscosity, cSt @ 40°C | ASTM D 445 | 46.5 | 70.1 | 88.9 |
| cSt @ 100°C | ASTM D 445 | 8.45 | 11.8 | 14.5 |
| Viscosity Index | ASTM D 2270 | 160 | 165 | 170 |
| TBN, mgKOH/g | ASTM D 2896 | 10.2 | 10.2 | 10.2 |
| Color | ASTM D 1500 | <3.5 | <3.5 | <3.5 |
| CCS, cP | ASTM D 5293 | 5460 | 5670 | 5530 |
| HTHS, cP | ASTM D 5481 | 2.61 | 3.12 | 3.55 |



United Oil
PERFORMANCE • VALUE • RELIABILITY

Specifications, Approvals & Recommendations:

- API SN/CF ***
- API SL/CF **/****
- ACEA A3/B3 **/****
- ACEA A3/B4 **/****
- ACEA A5/B5 */**
- ACEA A1/B1 */**
- MB 229.1**/****
- MB 229.3**/****
- MB 229.5**/****
- VW 502.00 / 505.00 **/****
- Renault RN 700 **/****
- Renault RN 710 **/****
- Porsche A40****
- Opel GM-LL-B-025 (Demo⁵) **/****
- JASO MA2*/**/****

*Please note official claim apply to SAE 5W20, only

**Please note official claim apply to SAE 5W30, only

***Please note official claim apply to SAE 5W40, only

Product Data Sheet