

PRODUCT DATA SHEET

ENEOS FULLY SYNTHETIC MOTOR OIL

DESCRIPTION

ENEOS FULLY SYNTHETIC MOTOR OIL is formulated from 100% synthetic base oil, providing superior thermal and oxidation breakdown resistance. These oils flow better at cold temperatures, reducing wear on critical engine parts at start up. ENEOS FULLY SYNTHETIC MOTOR OIL contains a carefully balanced blend of additives that help improve fuel mileage by keeping the engine clean, protecting vital engine parts from wear and reducing internal friction.


APPLICATION

ENEOS FULLY SYNTHETIC MOTOR OIL meets or exceeds the requirements of:

| | ENEOS 0W-16 | ENEOS 0W-20 | ENEOS 5W-20 | ENEOS 5W-30 | ENEOS 5W-40 |
|--|----------------|----------------|----------------|----------------|----------------|
| API SN Plus | ✓ | ✓ | ✓ | ✓ | - |
| API SN/SM/SL*/SJ* | ✓ | ✓ | ✓ | ✓ | ✓ |
| API CF* | ✓ | ✓ | ✓ | ✓ | ✓ |
| ILSAC GF-5 | ✓ | ✓ | ✓ | ✓ | - |
| GM dexos 1™, 4718M, 6094M* | - | ✓ | - | ✓ | - |
| Chrysler MS6395 | - | ✓ | ✓ | ✓ | - |
| FORD WSS-MC 947A, B1 (0W-20) FORD WSS-MC 945A, B1 (5W-30) | - | ✓ | - | ✓ | - |
| ACEA C3-16, MB229.31/ 229.51, VW50500/50501, GM dexos 2™, BMW LL-04, Porsche A40 | - | - | - | - | ✓ |

TYPICAL PROPERTIES

| SAE GRADE | ASTM | 0W-16 | 0W-20 | 5W-20 | 5W-30 | 5W-40 | |
|--|------------------------|--------|--------|--------|--------|--------|------|
| Density, g/cm ³ @ 15C (60F) | D4052 | 0.847 | 0.846 | 0.85 | 0.851 | 0.853 | |
| Color, ASTM | D1500 | L2.5 | L2.5 | L3.0 | L3.0 | L3.0 | |
| Flash Point (COC), C | D92 | 230 | 224 | 235 | 228 | 242 | |
| MRV (@ -40C or -35C) | D4684 | 23,000 | 23,400 | 11,300 | 13,000 | 13,000 | |
| Pour Point, C | D97 | -45 | -42 | -39 | -39 | -39 | |
| CCS (@ -35C or -30C) | D5293 | 5,450 | 4,850 | 4,000 | 3,950 | 6,000 | |
| NOACK Volatility | D5800 | 12 | 12 | 9.5 | 11 | 9.8 | |
| Kinematic Viscosity | mm ² /s@40C | D445 | 36.6 | 44.0 | 46.4 | 63.1 | 75.4 |
| | mm ² /s@40C | D445 | 7.2 | 8.3 | 8.4 | 10.8 | 13.5 |
| Viscosity Index | D2270 | 163 | 168 | 160 | 162 | 185 | |
| TBN, mgKOH/g | D2896 | 8.50 | 8.19 | 9.01 | 8.2 | 7.3 | |

 **ENEOS** is the corporate brand name of JXTG Nippon Oil & Energy Corporation, the largest oil company in Japan. ENEOS brand oil is developed to exceed the highest standards of the automotive industry. ENEOS product ranges from oil that offers optimal performance protection under the most extreme temperature variations, to ecologically friendly oil that provides superior fuel saving capacity. For more information please visit www.eneos.us.