

## PRODUCT DATA SHEET

# ENEOS FULL SYNTHETIC MOTOR OIL

### DESCRIPTION

ENEOS FULL 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 FULL 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.

### TYPICAL PROPERTIES

| SAE GRADE                              | ASTM                    | 0W-16  | 0W-20  | 5W-20 | 5W-30  | 5W-40  |      |
|--|-------------------------|--------|--------|-------|--------|--------|------|
| Density, g/cm <sup>3</sup> @ 15C (60F) | D4052                   | 0.842  | 0.845  | 0.847 | 0.847  | 0.853  |      |
| Color, ASTM                            | D1500                   | L2.5   | L2.5   | L2.5  | L2.5   | L3.0   |      |
| Flash Point (COC), C                   | D92                     | 228    | 232    | 228   | 226    | 242    |      |
| MRV (@ -40C or -35C)                   | D4684                   | 11,866 | 18,798 | 9,288 | 11,937 | 13,000 |      |
| Pour Point, C                          | D5950                   | -45    | -45    | -45   | -45    | -39    |      |
| CCS (@ -35C or -30C)                   | D5293                   | 4,064  | 4,630  | 3,508 | 3,520  | 6,000  |      |
| NOACK Volatility                       | D5800                   | 10.6   | 10.4   | 10.1  | 9.5    | 9.8    |      |
| Kinematic Viscosity                    | mm <sup>2</sup> /s@40C  | D445   | 36.4   | 44.4  | 43.3   | 55.6   | 75.4 |
|  | mm <sup>2</sup> /s@100C | D445   | 7.2    | 8.4   | 8.1    | 10.0   | 13.5 |
| Viscosity Index                        | D2270                   | 165    | 167    | 163   | 169    | 185    |      |
| TBN, mgKOH/g                           | D2896                   | 7.7    | 8.6    | 9.0   | 9.0    | 7.3    |      |

### APPLICATION

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

|   | ENEOS<br>0W-16 | ENEOS<br>0W-20 | ENEOS<br>5W-20 | ENEOS<br>5W-30 | ENEOS<br>5W-40 |
|---|----------------|----------------|----------------|----------------|----------------|
| API SP/SN PLUS Resource Conserving  | ✓              | ✓              | ✓              | ✓              | -              |
| API SN/SM/SL/CF *   | ✓              | ✓              | ✓              | ✓              | ✓              |
| ILSAC GF-6A / GF-6B   | ✓              | ✓              | ✓              | ✓              | -              |
| GM dexos1™ Gen 2, 4718M, 6094M*   | -              | ✓              | -              | ✓              | -              |
| Chrysler MS6395   | -              | ✓              | ✓              | ✓              | -              |
| FORD WSS-M2C 945A/946A/947A - B1  | -              | ✓              | ✓              | ✓              | -              |
| ACEA C3-16, MB229.31/ 229.51,<br>VW50500/50501, GM dexos2™,<br>BMW LL-04, Porsche A40 | -              | -              | -              | -              | ✓              |

\*Obsolete



Established in 1888 and headquartered in Tokyo, ENEOS is Japan's largest oil company, with manufacturing and sales facilities throughout the world. ENEOS has worked with Japan's automakers and leading race teams for decades, creating advanced lubricants with vehicle engineers to provide optimum fuel economy with maximum power and long-term protection. For more information please visit [www.eneos.us](http://www.eneos.us).