

ADVANTAGE FULL SYNTHETIC GF-5 MOTOR OILS

OVERVIEW

ADVANTAGE FULL SYNTHETIC GF-5 PASSENGER CAR ENGINE OILS are specially formulated using synthetic base oils and high performance additive packages to provide superior performance benefits over conventional engine oils. These oils are formulated for excellent oxidation stability for long product life, superior low-temperature properties to insure protection during cold starts, lower volatility for reduced oil consumption, and excellent resistance to viscosity breakdown. ADVANTAGE FULL SYNTHETIC GF-5 MOTOR OILS meet the most demanding lubrication requirements of today's naturally aspirated, turbo-charged and super-charged gasoline fueled and flex-fueled engines. These oils exceed the requirements of ILSAC GF-5 and are "Resource Conserving" for improved fuel economy.

FEATURES & BENEFITS

ADVANTAGE FULL SYNTHETIC GF-5 PASSENGER CAR ENGINE OILS are API SN/GF-5 Resource Conserving and provide outstanding wear protection for vehicles of all ages. Their excellent high temperature protection, easy starting and rapid oil circulation during cold starts protect critical engine parts and helps keep engines cool, while the superior additive technology utilized helps control oil consumption and loss.

APPLICATIONS

ADVANTAGE FULL SYNTHETIC GF-5 PASSENGER CAR ENGINE OILS are designed to meet the most demanding lubrication requirements of today's naturally aspirated, turbo-charged and super-charged gasoline fueled and flex-fueled engines. ADVANTAGE FULL SYNTHETIC 0W-20 is recommended for Original Equipment Manufacturers (OEM) such as Toyota and Honda for some hybrid vehicle applications and a limited number of low temperature applications.

SPECIFICATIONS

API SN/ILSAC GF-5 Resource Conserving • Ford WSS-M2C945-A (5W-20), WSS-M2C946-A (5W-30) WSS-M2C947-A (0W-20) • Chrysler MS-6395 (0W-20, 5W-20, 5W-30, 10W-30) • GM 4718M • Honda/Toyota (0W-20)

TYPICAL PROPERTIES

| PRODUCT CODES | 586 | 587 | 588 | 589 | 594 |
|-------------------------|------------|------------|------------|------------|------------|
| SAE Grade | 0W-20 | 0W-30 | 5W-20 | 5W-30 | 10W-30 |
| Density | 7.09 | 7.09 | 7.09 | 7.10 | 7.11 |
| Viscosity, cSt @ 100 °C | 8.3 | 10.9 | 8.3 | 11.0 | 10.0 |
| Viscosity, cSt @ 40 °C | 43.5 | 44.0 | 44.0 | 62.0 | 58.0 |
| Viscosity, CCS, cP @ °C | 5250 (-35) | 6100 (-35) | 4100 (-30) | 5000 (-30) | 5000 (-25) |
| Viscosity Index | 170 | 165 | 165 | 165 | 155 |
| Flash Point, PMCC °C | 200 | 200 | 200 | 200 | 200 |
| Pour Point, °C | -45 | -45 | -45 | -45 | -45 |
| Zinc, Wt. (%) | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 |
| Phosphorous, Wt. (%) | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 |
| NOACK, Wt. (%) | 13.0 | 14.5 | 12.5 | 11.0 | 10.0 |
| HT/HS, Cp @150 °C | 2.6 | 3.1 | 2.6 | 3.0 | 3.1 |