



Full Synthetic Engine Oils

# Technical Data Sheet

## DESCRIPTION

**Performance Full Synthetic Engine Oils** are premium quality multi-grade automotive lubricants designed and licensed to meet and exceed the latest API requirements. Engineered from the finest base stocks available and state-of-the-art technology, **Performance Full Synthetic Engine Oils** exhibit enhanced thermal and oxidation stability, superior wear protection, improved fuel economy, as well as excellent low temperature pump ability characteristics among others. Fortified with molybdenum disulfide friction modifiers, **Performance Full Synthetic Engine Oils** reduce the occurrence of low speed preignition (LSPI). **Performance Full Synthetic Engine Oils** meet and exceed the stringent requirements of API SP/Resource Conserving as well as the requirements of ILSAC GF-6A.

## FEATURES

- Optimum Performance and Protection
- Outstanding Wear Protection
- Emission System and Turbocharger Protection
- Protects Against Low Speed Pre-ignition (LSPI)
- Outstanding Corrosion Protection
- Exceptional Oxidation Control
- Improved Fuel Economy
- Excellent Low Temperature Pumpability
- Excellent Resistance to Viscosity and Thermal Breakdown
- Superior Piston Cleanliness
- Protects Against Sludge and Varnish Formation
- Compatible With High Ethanol Fuels(up To E85)

## PROPERTIES

Product Code	01175	01176	01177	01178	01126	01179
SAE Grade	0W-20	0W-30	5W-20	5W-30	5W-40	10W-30
Viscosity, Kinematic						
cSt @ 40°C	45.80	63.55	47.90	63.40	85.25	62.45
cSt @ 100°C	8.78	11.60	8.70	11.15	14.27	10.20
Viscosity Index	175	180	162	170	174	150
Flash Point, °C, ASTM D7094	205	205	206	207	204	207
Pour Point, °C, ASTM D97	-48	-47	-42	-42	-43	-40
Specific Gravity	0.8414	0.8438	0.8454	0.8558	.8475	0.8498
Low Temperature Cranking, ASTM D5293	5200 (-35°C)	6100 (-35°C)	4000 (-30°C)	4300 (-30°C)	5100 (-30°C)	4100 (-25°C)
Noack Volatility, evaporation loss, 1 hr. @ 250°C, %	9.2	9.4	6.8	7.3	8.3	3.4
HTHS Shear Viscosity, cP @150 °C	2.70	3.20	2.7	3.14	3.84	3.13
API Service Category	SP	SP	SP	SP	SP	SP
Resource Conserving	Yes	Yes	Yes	Yes	Yes	Yes
ILSAC GF-6A	Yes	Yes	Yes	Yes	Yes	-
Chrysler MS-6395	Yes	Yes	Yes	Yes	-	Yes
Ford WSS-M2C960-A1	-	-	Yes	-	-	-
Ford WSS-M2C961-A1	-	-	-	Yes	-	-
Ford WSS-M2C962-A1	Yes	-	-	-	-	-
Ford WSS-M2C963-A1	-	Yes	-	-	-	-
Ford WSS-M2C945-B1 *	-	-	Yes	-	-	-
Ford WSS-M2C946-B1 *	-	-	-	Yes	-	-
Ford WSS-M2C947-B1 *	Yes	-	-	-	-	-
Ford WSS-M2C953-B1 *	-	Yes	-	-	-	-

\* Backwards Compatible

\*Consult Owners Manual For Application Requirements