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PRODUCT BULLETIN

PETROFLO SYNTHETIC MOTOR OIL

5W-20, 5W-30, 10W-30, 10W-40, 20W-50, 30W, 40W

PETROFLO SYNTHETIC MOTOR OIL is manufactured from synthetic base stocks.

The unique combination of high performance synthetic fluids and proprietary additive systems enables **PETROFLO SYNTHETIC MOTOR OIL** to offer advantages beyond their conventional SAE viscosity grade counterparts. Conventional mineral oils thicken or thin dramatically with changes in temperature. To compensate for this weakness, manufacturers add thickeners to conventional multi-grade oils to slow thinning as engine temperatures rise. **PETROFLO SYNTHETIC MOTOR OIL** has a naturally high resistance to changes in viscosity due to temperature and requires less of these thickeners. This results in a heavier, more stable protective oil film for engine bearings piston rings than provided by similar SAE viscosity grade mineral oils. **PETROFLO SYNTHETIC MOTOR OIL** protects engines up to 204°C (400° F.). It contains fewer impurities, so it protects better than conventional oils in cold weather. **PETROFLO SYNTHETIC MOTOR OIL** is fully compatible with mineral-based, conventional, and synthetic blend engine oils.

Features / Benefits

- Excellent low-temperature pump ability
- Excellent resistance to foaming and aeration
- High shear stability
- Excellent Fuel Economy
- Excellent volatility for low oil consumption
- Excellent protection from deposits at all operating temperatures
- Excellent cold-cranking capabilities
- Excellent anti-wear, anti-foam, bearing corrosion and anti-rust protection
- Advanced varnish & sludge protection
- Extended drain capability for non-EGR diesel engine

See Technical Data on page 2.

Applications

PETROFLO SYNTHETIC MOTOR OIL meet current and previous API license service classifications: API SN, SM, SL, SJ, SH, SG, SF and ILSAC GF-5, GF-4, GF-3, GF-2 & GF-1 on applicable viscosity grades.

PETROFLO SYNTHETIC MOTOR OIL are available in 5 multi-viscosity grades to comply with most passenger cars and light duty trucks engine applications. Two single-viscosity grades are also available.

Follow equipment manufacturer recommendations for specific applications.

TYPICAL CHARACTERISTICS

PETROFLO SYNTHETIC MOTOR OIL								
Properties	Test Method ASTM D-	Typical Results						
SAE Viscosity Grade		5W-20	5W-30	10W-30	10W-40	20W-50	30	40
API Gravity	1298	32.76	33.0	31.5	31.73	29.76	29.98	29.01
Flash Point, COC °C/°F	92	215/420	215/420	220/430	220/430	238/410	218/425	220/430
Pour Point, °C /°F	97	-47	-47	-41	-41	-35	-32	-23
Viscosity cSt@40°C	445	49.10	63.02	68.20	105.63	154	86.9	123.31
cSt@100°C		8.58	10.55	10.5	15.25	18.28	11.10	13.98
Viscosity Index	2270	152	157	141	151	133	115	110

Typical properties are average values only. Minor variations that do not affect product performance are to be expected during normal manufacture, at different blending locations. Product formulations are subject to change without notification.