



PRO-SPEC SYNTHETIC MOTOR OIL



◆ FOR CURRENT GASOLINE ENGINES

Equipment manufacturers are constantly changing the engine designs in the name of fuel economy, lower emissions, performance and efficiency; thus, lubricant manufacturers must adapt and formulate engine oils that are equipped to meet the demands of modern technology. PRO-SPEC SYNTHETIC MOTOR OIL is a synthetic motor oil that has been formulated to provide maximum protection and performance for the severe service, medium, and light-duty applications found in gasoline passenger vehicles, as well as gasoline-powered equipment in the construction, logging, farming, and municipality industries.



◆ MEETS LATEST INDUSTRY STANDARDS

PRO-SPEC SYNTHETIC MOTOR OIL is licensed to meet both the American Petroleum Institute's (API) SN PLUS (SAE 5W/20 and SAE 5W/30) and SN (SAE 10W/30) standards and the International Lubricants Standardization and Approval Committee's (ILSAC) GF-5 standard. These standards specify benefits for gasoline engines in fuel economy, reduced oxidative thickening, better high-temperature deposit control, lower oil consumption, and increased protection for turbochargers. The API SN PLUS standard specifies an even greater protection for turbocharged gasoline engines to combat the phenomenon of low-speed pre-ignition.



◆ PROTECTS AGAINST LSPI

Low-speed pre-ignition (LSPI) is an abnormal combustion event that occurs in turbocharged, gasoline direct injected engines when operating at low speeds and high loads. The phenomenon of LSPI causes excessive pressure build-up inside the engine's cylinders and can lead to engine knocking and/or severe internal engine damage. PRO-SPEC SYNTHETIC MOTOR OIL is formulated with a detergent package that not only keeps your engine clean from piston deposit build-ups and neutralizes acids but does so without increasing the frequency of LSPI. Protecting against LSPI is imperative to extend the life of turbocharged direct-injected engines.



◆ FORMULATED WITH SUPERIOR ADDITIVES

PRO-SPEC SYNTHETIC MOTOR OIL is formulated with superior performance additives to help protect against the effects of oxidation. Eliminating sludge and varnish build-up, byproducts of oxidation, can help extend drain intervals. Other additives formulated into PRO-SPEC SYNTHETIC MOTOR OIL protect against corrosion, rust, and foaming. Special viscosity modifiers can also be found in PRO-SPEC SYNTHETIC MOTOR OIL to ensure quick start-ups in cold temperatures and no thinning of the engine oil in warmer temperatures.



◆ EXTENDS EQUIPMENT LIFE

Formulated with a unique additive package containing special friction modifiers, PRO-SPEC SYNTHETIC MOTOR OIL is built to protect gasoline engines against premature wear. The special friction modifiers provide a full fluid-film lubricant between the moving parts in the engine, resulting in reduced wear to the moving parts. A high-quality zinc anti-wear protection package is added to the engine oil to further reduce wear. Eliminating wear is vital to extending the life of the equipment, keeping maintenance costs down and improving the fuel economy.

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SPECIFICATIONS

Meets and/or exceeds MIL-L-46152B, GM6048M, GM6085M, GM6094M, Ford M2C153E, Ford M2C153F, Ford M2C153G, Ford M2C205A, Ford M2C153H, Ford M2C913A, Ford M2C913B, Ford M2C929A, Ford M2C930A, Chrysler MS-6365-D, Chrysler MS-6395-H, Chrysler MS-6395-N/L, API SC, SD, SE, SF, SG, SH, SJ, SL, SM, SN, Resource Conserving, Energy Conserving, ILSAC GF-1, GF-2, GF-3, GF-4, and GF-5, ACEA A5

5W/20 Specifications: API SN Plus, dexos1™ second generation, Ford M2C945-A, Ford M2C945-B1

5W/ 30 Specifications: API SN Plus, dexos1™ second generation, Ford M2C946-A, Ford M2C946-B1, Honda/Acura HTO-06

	5W/20	5W/30	10W/30
Product Code	106666	106667	106723
API Gravity (ASTM D287)	33	29/31	29/31
Specific Gravity @60°F, Typical (ASTM D287)	0.86	0.86	0.86
Viscosity @210°F, SUS, Typical (ASTM D446)	55.0	60.0	65.0
Viscosity @100°F, SUS, Typical (ASTM D446)	245.0	300.0	350.0
Viscosity Index (ASTM D2270)	150.0	150.0	150.0
Viscosity @-25°C, CCS, cP (ASTM D5293)	-----	-----	7,000 max.
Viscosity @-30°C, CCS, cP (ASTM D5293)	3,450	4,065	
Viscosity @-30°C, MRV-TP1, cP (ASTM D4684)	-----	-----	25,500
Viscosity @-35°C, MRV-TP1, cP (ASTM D4684)	8,400	31,700	
Flash Point, °F, COC, minimum (ASTM D92)	380°F (193°C)	380°F (193°C)	385°F (196°C)
Fire Point, °F, COC, minimum (ASTM D92)	400°F (204°C)	400°F (204°C)	410°F (210°C)
Pour Point, °F (ASTM D97)	-50°F (-46°C)	-45°F (-42°C)	-35°F (-37°C)
Sulfated Ash, Wt. %, Maximum (ASTM D874)	0.92	0.92	0.92
Base Number, Mg KOH/g (ASTM D2896)	8.5	8.5	8.5
Foam Tendency/Stability (ASTM D892)			
Sequence I	0/0	0/0	0/0
Sequence II	0/0	0/0	0/0
Sequence III	0/0	0/0	0/0
High Temp. Foam Tendency (ASTM D6082)	20/0	20/0	10/0
Calcium, Wt. %, Typical	0.14	0.14	0.22
Magnesium, Wt. %, Typical	0.05	0.05	
Zinc, Wt. %, Typical	0.09	0.09	0.09
Nitrogen, Wt. %, Typical	0.10	0.10	0.10
Molybdenum, Wt. %, Typical	0.02	0.02	
Phosphorus, Wt. %, Typical	0.08	0.08	0.08

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

TEXAS REFINERY CORP

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