



# PRO-SPEC SYNTHETIC MOTOR OIL



## ◆ **DESIGNED FOR GASOLINE ENGINES**

PRO-SPEC SYNTHETIC MOTOR OIL has been reformulated to meet the latest industry standards for passenger car motor oil and other gasoline-powered equipment, delivering innovative technology and exceptional reliability for your equipment. PRO-SPEC SYNTHETIC MOTOR OIL is designed to provide protection against timing chain wear and LSPI (low-speed pre-ignition), two issues found to impact the latest gasoline vehicles today.

## ◆ **MEETS THE LATEST INDUSTRY STANDARDS**

Modern gasoline engines require a higher level of performance and far greater protection from the oil, due to engine manufacturers continually working to improve fuel economy and reduce emissions with design changes. Exceeding these challenges with our oil, PRO-SPEC SYNTHETIC MOTOR OIL is licensed to meet both the American Petroleum Institute's (API) SP specification, SN Plus, Resource Conserving and the International Lubricants Standardization and Approval Committee's (ILSAC) GF-6A specification. Exceeding these specifications means PRO-SPEC SYNTHETIC MOTOR OIL provides benefits for piston cleanliness, oxidation control, cam wear protection, engine sludge protection, fuel economy, protection against corrosive wear, protection against LSPI and timing chain wear protection.

## ◆ **EXCEPTIONAL PROTECTION**

The latest GF-6 standard took ten years to develop in close cooperation between the automakers, oil companies and additive suppliers in the industry. PRO-SPEC SYNTHETIC MOTOR OIL passed and exceeded the requirement in all engine tests required to achieve the GF-6 specification. In an effort to achieve more miles per gallon, automakers have moved to downsized turbocharged engines but found a phenomenon in these gasoline direct-injection engines called low-speed pre-ignition (LSPI), which can cause considerable piston damage and lead to engine failure. 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. In the Sequence X engine test, PRO-SPEC SYNTHETIC MOTOR OIL exceeded the GF-6 performance limit, providing 50% better wear protection.

## ◆ **LONGEVITY YOU CAN COUNT ON**

Chemistry for PRO-SPEC SYNTHETIC MOTOR OIL was tested in a variety of gasoline engines in the field, and a variety of tough applications including cab services in severe temperatures and conditions. Main bearings and cams were very clean at the end of the test and cylinder liners maintained their crosshatching after extensive ten-thousand mile drain intervals, showing no scuffing. PRO-SPEC SYNTHETIC MOTOR OIL, formulated with synthetic base stocks, has excellent low volatility, which is important for achieving longer oil drain intervals.



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## SPECIFICATIONS

Meets and/or exceeds Ford M2C-930A (5W/20), Ford M2C-929A (5W/30 and 10W/30), Ford WSS-M2C961-A1, Ford WSS-M2C962-A1 (0W/20), Ford WSS-M2C945-B1 (5W/20 and 5W/30), Ford WSS M2C-947-B1 (0W/20), DaimlerChrysler MS6395, API SJ, SL, SM, SN, SN PLUS, RESOURCE CONSERVING, SP, ILSAC GF-5, ILSAC GF-6A, ACEA A5, Honda/Acura HTO-06, Dexos 1™ Gen2 and Dexos1™ Gen3 (0W/20, 5W/20 and 5W/30)

	0W/20	5W/20	5W/30	10W/30
API Gravity	35	35	35	33
Specific Gravity @ 60° F, Typical	0.85	0.85	0.85	0.86
Viscosity @ 100° C, cSt, Typical	8.5	8.5	10.5	11
Viscosity @ 40° C, cSt, Typical	45	55	60	70
Viscosity Index, Typical	160	150	150	150
Viscosity @ -35° C, CCS, cP (ASTM D-5293)	5,330			
Viscosity @ -30° C, CCS, cP (ASTM D-5293)		3,400	4,000	
Viscosity @ -25° C, CCS, cP (ASTM D-5293)				4,500
Viscosity @ -40° C, MRV, cP (ASTM D-4684)	17,000			
Viscosity @ -35° C, MRV, cP (ASTM D-4684)		8,700	12,400	
Viscosity @ -30° C, MRV, cP (ASTM D-4684)				11,900
Flash Point (ASTM D-92), Minimum	380° F/193° C	380° F/193° C	380° F/193° C	385° F/196° C
Fire Point (ASTM D-92), Minimum	400° F/204° C	400° F/204° C	400° F/204° C	410° F/210° C
Pour Point (ASTM D-97), Typical	-53° F/-47° C	-50° F/-46° C	-45° F/-42° C	-40° F/-40° C
Total Base Number (ASTM D-2896)	8.5	8.5	8.5	8.5
Foam Tendency (ASTM D-892)				
Seq. I	0/0	0/0	0/0	0/0
Seq. II	0/0	0/0	0/0	0/0
Seq. III	0/0	0/0	0/0	0/0
High Temperature Foam Tendency (ASTM D-6082)	20/0	20/0	20/0	20/0
High Temperature High Shear (ASTM D-4683)	2.5	2.5	3	3.2
NOACK Volatility, %, (ASTM D-5800)	8.8	8.0	8.9	4.7
Calcium, Wt. %, Typical	0.15	0.15	0.15	0.15
Magnesium, Wt. %, Typical	0.06	0.06	0.06	0.06
Zinc, Wt. %, Typical 0.09	0.09	0.09	0.09	0.09
Nitrogen, Wt. %, Typical	0.09	0.09	0.09	0.09
Molybdenum, Wt. % 0.04	0.04	0.04	0.04	0.04
Phosphorus, Wt. % 0.08	0.08	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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