

FIREGUARD[®]

HIGH PERFORMANCE ENGINE OIL

FULLY SYNTHETIC ENGINE OIL

SAE 0W-40 API SN/CF

FIREGUARD Fully Synthetic Engine Oil incorporating advanced additives to provide excellent low temperature fluidity & outstanding fuel economics. The state of the art synthetic bases offer naturally High Viscosity Index and superior thermostability. **FIREGUARD Fully Synthetic Engine Oil** demonstrates extremely fluidity that allows it circulating much faster than conventional motor oils to reach the crucial parts of the engine, therefore, it can protect the engine from metal to metal “dry” contact usually occurs at the very beginning of engine start-up and therefore much reduce the wear caused by contact. **FIREGUARD Fully Synthetic Engine Oil** meets the highest API requirement and is with a proprietary friction enhancer that gives robust fuel saving benefits.

APPLICATIONS / BENEFITS :

- * Super fluidity over a wide range of temperatures and operating conditions.
- * Improves engine performance, yet energy conserving.
- * Superior high temperatures protection.
- * Protects against rust and corrosion, extends drain interval.

PERFORMANCE STANDARD :

- * API SN/CF
- * ACEA A2-96#2, A3-98, B2-98, B3-98, E2-96#2
- * VW 500/501/505
- * BMW special oil
- * Porsche “All Seasons Engine Oil”
- * Mercedes-Benz 228.1, 229.1

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J 300	0W-40
Specific Gravity @ 15 °C	ASTM D 4052	0.857
Flash Point, °C	ASTM D 92	218
Pour Point, °C	ASTM D 97	-45
Kinematic Viscosity @ 40°C	ASTM D 445	72
@ 100°C	ASTM D 445	13.1
Viscosity Index	ASTM D 2270	186
TBN, (mgKOH/g)	ASTM D 2896	8.5
Color	ASTM D 1500	<4.0

ESIONAL SDN. BHD. (876294-T)

No. 21-2, Jalan Apollo CG U5/CG, Bandar Pinggiran Subang, Seksyen U5, 40150 Shah Alam, Selangor Darul Ehsan, Malaysia. | Tel : 603-7846 2108/ 603-7846 2109 | Fax : 603-7842 2107 | Email : marketing@esional.com | Web : www.esional.com | Copyright 2013-Esional Sdn. Bhd. , All rights reserved. All specifications are subject to change without prior notice. Please contact our sales team for latest information of our products and services.

FIREGUARD®

HIGH PERFORMANCE ENGINE OIL

FULLY SYNTHETIC ENGINE OIL

SAE 5W-30 API SN/CF

SAE 5W-40 API SN/CF

FIREGUARD Fully Synthetic Engine Oil is blended from a synthesis of special base stock processed by a patented technology. Reinforced with a powerful additive package. **FIREGUARD Fully Synthetic Engine Oil** is ideal for modern high output, low emission, super or Turbo charged, DOHC or GDI engines that commonly found in latest European and Japanese models.

APPLICATIONS / BENEFITS :

- * Super fluidity over a wide range of temperatures and operating conditions.
- * Improves engine performance, yet energy conserving.
- * Superior high temperatures protection.
- * Protects against rust and corrosion, extends drain interval.

PERFORMANCE STANDARD :

- * API SN/CF
- * ACEA A2-96#2, A3-98, B2-98, B3-98, E2-96#2
- * VW 500/501/505
- * BMW special oil
- * Porsche "All Seasons Engine Oil"
- * Mercedes-Benz 228.1, 229.1

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS	
SAE Viscosity Grade	SAE J 300	5W-30	5W-40
Specific Gravity @ 15 °C	ASTM D 4052	0.864	0.857
Flash Point, °C	ASTM D 92	216	216
Pour Point, °C	ASTM D 97	-39	-39
Kinematic Viscosity @ 40°C	ASTM D 445	64.9	92.1
@ 100°C	ASTM D 445	10.9	14.85
Viscosity Index	ASTM D 2270	160	169
TBN, (mgKOH/g)	ASTM D 2896	7.4	7.4
Color	ASTM D 1500	2.5	2.5

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HIGH PERFORMANCE ENGINE OIL

SYNTHETIC ENGINE OIL

SAE 5W-30 API SN/CF

SAE 10W-40 API SN/CF

Fireguard Synthetic Engine Oil is formulated using high quality synthetic oil component in combination with superior quality mineral base oil. Fortified with superior additives package, **Fireguard** Synthetic Engine Oil resists breakdown under high loads, temperatures and speeds experienced by today's high speed, high-torque engines.

APPLICATIONS / BENEFITS :

- * Affords maximum bearing protection.
- * Provides excellent piston ring sealing.
- * Maximizes obtainable engine horsepower.
- * Protects against rust and corrosion.

PERFORMANCE STANDARD :

- * API SN/CF
- * ACEA A2-96#2, A3-98, B2-98, B3-98, E2-96#2
- * VW 500/501/505
- * BMW special oil
- * Porsche "All Seasons Engine Oil"
- * Mercedes-Benz 228.1, 229.1

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS	
SAE Viscosity Grade	SAE J 300	5W-30	10W-40
Specific Gravity @ 15 °C	ASTM D 4052	0.866	0.872
Flash Point, °C	ASTM D 92	212	215
Pour Point, °C	ASTM D 97	-36	-33
Kinematic Viscosity @ 40°C	ASTM D 445	90.6	101.3
@ 100°C	ASTM D 445	14.4	14.8
Viscosity Index	ASTM D 2270	165	152
TBN, (mgKOH/g)	ASTM D 2896	8.0	11
Color	ASTM D 1500	2.0	< 3.5

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