



HIGH PERFORMANCE GEAR OIL

SAE 85W-140 API GL-5/LSD

Fireguard High Performance Gear Oil is formulated using a unique combination of the hydrocracked base stock with the performance proven, poly-alpha-olefin based synthetic components. Due to the excellent characteristic of the hydrocracked base stock and balanced synthetic components, it exhibits less deposit formation, less viscosity changes during operation and more stable performance in extreme pressure properties if compared with the conventional mineral gear oils. It also provides much enhanced fuel economy and extended drain interval over other gear oils.

APPLICATIONS / BENEFITS :

- * Proven gear protection in low and high-speed conditions.
- * Reduces costs associated with seasonal oil changes.
- * Improves fuel economy.
- * Superior sulfur phosphorus additives.
- * Easier low temperature starting.

PERFORMANCE STANDARD :

- * API GL-5
- * MIL-L-2105D

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J 306	85W-140
Specific Gravity @ 15 °C	ASTM D 4052	0.907
Flash Point, °C	ASTM D 92	215
Pour Point, °C	ASTM D 97	-12
Kinematic Viscosity @ 40°C (cSt)	ASTM D 445	389
@ 100°C (cSt)	ASTM D 445	27.4
Viscosity Index	ASTM D 2270	96
Color	ASTM D 1500	3.0

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.



HIGH PERFORMANCE GEAR OIL

SAE 80W-90 API GL-5/LSD

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PERFORMANCE STANDARD :

- * API GL-5
- * MIL-L-2105D

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J 306	80W-90
Specific Gravity @ 15 °C	ASTM D 4052	0.885
Flash Point, °C	ASTM D 92	210
Pour Point, °C	ASTM D 97	-27
Kinematic Viscosity @ 40°C (cSt)	ASTM D 445	139.5
@ 100°C (cSt)	ASTM D 445	14.7
Viscosity Index	ASTM D 2270	105
Color	ASTM D 1500	<2.5

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HIGH PERFORMANCE GEAR OIL

EP 140 API GL-4

Fireguard High Performance Gear Oil is a multi purpose gear lubricant specially formulated to meet the unique requirement of API GL-4 service. It is blended from selected base stocks and additives that yield a lubricant of exacting quality. This product is compounded utilizing sulfur phosphorus GL4 chemistry and contains foam suppressants as well as corrosion inhibitors which are specially designed to protect bronze alloys. The result is a lubricant, which resists the formation of varnish deposits on synchronizer components thus assuring long, trouble free operation.

APPLICATIONS / BENEFITS :

- * Will not cause glazing of synchronizer components.
- * Superior thermal stability assures proper viscosity over wide temperature ranges.
- * EP and antiwear additives minimize metal-to-metal contact thereby extending useful life of power train components.

PERFORMANCE STANDARD :

- * API GL-4

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J 306	140
Specific Gravity @ 15 °C	ASTM D 4052	0.907
Flash Point, °C	ASTM D 92	226
Pour Point, °C	ASTM D 97	-6
Kinematic Viscosity @ 40°C (cSt)	ASTM D 445	421
@ 100°C (cSt)	ASTM D 445	28.4
Viscosity Index	ASTM D 2270	94
Color	ASTM D 1500	<3.5

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HIGH PERFORMANCE GEAR OIL

EP 90 API GL-4

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- * EP and antiwear additives minimize metal-to-metal contact thereby extending useful life of power train components.

PERFORMANCE STANDARD :

- * API GL-4

TYPICAL CHARACTERISTICS :

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J 306	90
Specific Gravity @ 15 °C	ASTM D 4052	0.894
Flash Point, °C	ASTM D 92	251
Pour Point, °C	ASTM D 97	-9
Kinematic Viscosity @ 40°C (cSt)	ASTM D 445	198
@ 100°C (cSt)	ASTM D 445	17.5
Viscosity Index	ASTM D 2270	95
Color	ASTM D 1500	<3.0

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