

UNITED ECO-ELITE

Product Description

Fully Synthetic high performance passenger car motor oil (PCMO) with standards of API SQ and ILSAC GF-7 that is developed to address the critical needs of newer vehicles in engine technology developments, including turbocharged gasoline direct injection (TGDI) engines.

API SQ is a new category approach with a greater contribution to fuel economy and engine protection. Improved lubricant robustness assists in piston cleanliness and better fuel efficiency while maintaining sludge as well as wear control. The newest engine oil performance standard ILSAC GF-7 also aims to combat problems with low-speed pre-ignition (LSPI), a common issue with turbocharged engines.

Applications / Benefits

- * Low-speed pre-ignition (LSPI) and timing chain wear protection
- * Greater fuel economy and fuel efficiency
- * Enhanced overall engine cleanliness
- * Protects against engine wear

Typical Characteristics

Test Description	Method	Unit				
SAE Viscosity Grade	SAE J 300	-	0W16	0W20	0W30	5W20
Density @ 15 °C	ASTM D 4052	kg/L	0.849	0.848	0.849	0.852
Flash Point	ASTM D 92	°C	210	214	216	218
Pour Point	ASTM D 97	°C	-42	-42	-42	-39
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	36.0	45.4	58.2	47.8
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	7.2	8.9	11.0	8.8
Viscosity Index	ASTM D 2270	-	168	180	185	165
TBN	ASTM D 2896	mgKOH/g	7.2	7.2	7.2	7.2

Typical Characteristics

Test Description	Method	Unit			
SAE Viscosity Grade	SAE J 300	-	5W30	5W40	10W30
Density @ 15 °C	ASTM D 4052	kg/L	0.854	0.855	0.856
Flash Point	ASTM D 92	°C	220	216	224
Pour Point	ASTM D 97	°C	-39	-39	-36
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	64.8	86.7	69.7
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.5	14.3	11.5
Viscosity Index	ASTM D 2270	-	173	171	160
TBN	ASTM D 2896	mgKOH/g	7.2	7.2	7.2

Specifications, Approvals & Recommendations

* API	SQ-RC
* ILSAC	GF-7A IN SAE 0W20, 0W30, 5W20, 5W30, 10W30
* ILSAC	GF-7B IN SAE 0W16
* FORD	WSS-M2C960-A1 in SAE 5W20
* FORD	WSS-M2C961-A1 in SAE 5W30
* FORD	WSS-M2C962-A1 in SAE 0W20
* FORD	WSS-M2C963-A1 in SAE 0W30

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5157G3SQGF7REV0

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