

UNITED ECO-P

Product Description

Fully Synthetic high performance passenger car motor oil (PCMO) with standards of API SP-RC and ILSAC GF-6A that is developed to address the critical needs of newer vehicles in engine technology developments, including turbocharged gasoline direct injection (TGDI) engines.

API SP 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-6A 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	0W-20	0W-30	5W-20	5W-30
SAE Viscosity Grade	SAE J 300	-	0W-20	0W-30	5W-20	5W-30
Density @ 15 °C	ASTM D 4052	kg/L	0.857	0.859	0.860	0.861
Flash Point	ASTM D 92	°C	210	214	212	216
Pour Point	ASTM D 97	°C	-39	-39	-39	-39
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	42.9	58.2	45.3	59.4
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	8.50	10.7	8.60	10.8
Viscosity Index	ASTM D 2270	-	180	177	171	175
TBN	ASTM D 2896	mgKOH/g	8.0	8.0	8.0	8.0
CCS	ASTM D 5293	cP	≤6200	≤6200	≤6600	≤6600
HTHS	ASTM D 5481	cP	≥2.6	≥2.9	≥2.6	≥2.9

Specifications, Approvals & Recommendations

* API	SP-RC
* ILSAC	GF-6A
* FORD	WSS-M2C962-A1 in 0W20
* FORD	WSS-M2C963-A1 in 0W30
* FORD	WSS-M2C960-A1 in 5W20
* FORD	WSS-M2C961-A1 in 5W30

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