



UNITED ECO-P

Product Description:

United ECO-P Engine Oil is a high performance fully synthetic passenger car motor oil (PCMO) with standards of API SP and ILSAC GF-6 that developed to address the critical needs of newer vehicles in engine technology developments, including turbocharged gasoline direct injection (TGDI) engines.

United ECO-P Engine Oil is a new category approaches with a greater contribution to fuel economy and engine protection. Improved lubricant robustness will assist in piston cleanliness and better fuel efficiency while maintaining sludge as well as wear control. The newest engine oil performance standard ILSAC GF-6 also aimed to combat problems with low-speed pre-ignition (LSPI), a common issue with turbocharged engines.

Applications / Benefits:

- ▣ Newest engine oil performance standard.
- ▣ Low-speed pre-ignition (LSPI) and timing chain wear protection.
- ▣ Greater fuel economy and fuel efficiency.
- ▣ Enhance overall engine cleanliness.
- ▣ Improve against engine wear.

Typical Characteristics:

Test Description	Method	0W-16	0W-20	5W-20	0W-30	5W-30	10W-30
SAE Viscosity Grade	SAE J 300	0W-16	0W-20	5W-20	0W-30	5W-30	10W-30
Specific Gravity @ 15 °C	ASTM D 4052	0.858	0.857	0.860	0.859	0.861	0.863
Flash Point, °C	ASTM D 92	206	210	212	214	216	216
Pour Point, °C	ASTM D 97	-39	-39	-39	-39	-39	-36
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	35.2	42.9	45.3	58.2	59.4	67.8
cSt @ 100°C	ASTM D 445	6.90	8.50	8.60	10.7	10.8	11.2
Viscosity Index	ASTM D 2270	160	180	171	177	175	158
TBN, mgKOH/g	ASTM D 2896	7.0	7.0	7.0	7.0	7.0	7.0
Color	ASTM D 1500	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
CCS, cP	ASTM D 5293	≤6200	≤6200	≤6600	≤6200	≤6600	≤7000
HTHS, cP	ASTM D 5481	≥2.3	≥2.6	≥2.6	≥2.9	≥2.9	≥2.9

Suggested for the following uses:

- API SP
- ILSAC GF-6
- Ford WSS-M2C960-A1*
- Ford WSS-M2C961-A1**
- Ford WSS-M2C962-A1***
- Ford WSS-M2C963-A1****
- Chrysler MS-6395*

*Please note official claim apply to SAE 5W20, only

**Please note official claim apply to SAE 5W30, only

***Please note official claim apply to SAE 0W20, only

****Please note official claim apply to SAE 0W30, only