



**United Oil**  
PERFORMANCE • VALUE • RELIABILITY

## 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-RC and ILSAC GF-6A 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-6A 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						
Specific Gravity @ 15 °C	ASTM D 4052	0.831	0.834	0.836	0.835	0.840	0.856
Flash Point, °C	ASTM D 92	214	210	216	220	220	225
Pour Point, °C	ASTM D 97	-42	-42	-39	-39	-39	-36
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	36.1	44.5	46.5	58.2	66.1	67.8
cSt @ 100°C	ASTM D 445	7.30	8.55	8.60	10.7	11.5	11.2
Viscosity Index	ASTM D 2270	172	173	165	177	168	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	5329	5210	5107	5355	5176	5680
HTHS, cP	ASTM D 5481	2.36	2.62	2.67	2.93	3.05	3.22

### Specifications, Approvals & Recommendations:

- API SP-RC
- ILSAC GF-6A

\*Official claim ILSAC GF-6B