

UNITED 1 (FULLY SYNTHETIC)

PRODUCT DESCRIPTION

United 1 is a fully synthetic engine oil incorporating advanced additives to provide excellent low temperature soot dispersancy and outstanding high temperature deposit control.

The blend of PAO and Esters offer naturally High Viscosity Index and superior thermo-stability. United 1 demonstrates extremely low tendency of high temperature carbon deposit and oxidation, providing better engine cleanliness between drain intervals.

APPLICATIONS / BENEFITS

- ❑ Super fluidity over a wide range of temperatures and operating conditions.
- ❑ Improves engine performance.
- ❑ Superior high temperature protection.
- ❑ Protects against rust and corrosion, maximizes drain interval.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS	
		5W40	5W50
SAE Viscosity Grade	SAE J 300	5W40	5W50
Specific Gravity @ 15°C	ASTM D-4052	0.851	0.852
Flash Point, °C	ASTM D-92	238	236
Pour Point, °C	ASTM D-97	- 48	- 45
Kinematics Viscosity @ 40°C (cSt)	ASTM D-445	93.7	114.5
@ 100°C (cSt)	ASTM D-445	14.9	18.1
Viscosity Index	ASTM D-2270	166	176
TBN (mgKOH/g)	ASTM D-2896	9	9
Colour	ASTM D-1500	< 3.5	< 3.5

PERFORMANCE STANDARDS

- API SL/CF
- ACEA A2-96#2, A3-98, B2-98, B3-98, E2-96#2,
- VW 500/501/505,
- BMW special oil,
- Mercedes-Benz 229.1, 228.1
- Porsche “All Seasons Engine Oil”.