



United Oil
PERFORMANCE • VALUE • RELIABILITY

UNITED GD1

Product Description:

United GD1 Fully Synthetic Engine Oil is a premium quality Mid SAPS passenger car lubricant which specially developed for hybrid and downsized engines as well as compatible with latest generation aftertreatment systems. Oil formulated to meet the latest performance API SP and OEM claims with demanding requirement for the modern's engine.

High levels of fuel and water in the lubricant is very common in hybrid vehicles, this can lead to increase bearing wear under stop-start operation, higher levels of sludge as well as phase separation of water and fuel which may cause to catastrophic engine damage. United GD1 Fully Synthetic Engine Oil effectively disperses water and fuel to maintain oil performance together with robust wear and cleanliness performance for hybrid applications. This lubricant also providing protection from low speed pre-ignition (LSPI) and deliver fuel economy.

Applications / Benefits:

- Super fluidity over a wide range of temperatures and operating conditions.
- Forming a strong emulsion to protect the oil pumping system.
- Avoid harmful effects of contamination of lubricant.
- Control of wear and sludge formation.
- Durability in modern engine hardware.

Typical Characteristics:

Test Description	Method	
SAE Viscosity Grade	SAE J 300	5W40
Specific Gravity @ 15 °C	ASTM D 4052	0.856
Flash Point, °C	ASTM D 92	216
Pour Point , °C	ASTM D 97	-39
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	87.0
cSt @ 100°C	ASTM D 445	14.5
Viscosity Index	ASTM D 2270	174
TBN, mgKOH/g	ASTM D 2896	8.7
Color	ASTM D 1500	<3.5
CCS, cP	ASTM D 5293	≤6600
HTHS, cP	ASTM D 5481	≥3.5

Specifications, Approvals & Recommendations:

- ACEA C3
- API SP
- API SN PLUS
- BMW Longlife-04
- MB-Approval 229.51
- MB-Approval 229.52
- Opel OV0401547
- RN0700 / RN0710

Product Data Sheet