

dexos1™ Gen 2 Full Synthetic 0W-20 & 5W30

Hartland dexos1™ Gen 2 Full Synthetic is a new Generation formulation for a new Generation of automobile. Blended with only premium full synthetic base stocks and advanced additive technology to provide the latest protection against Low Speed Pre-Ignition even in the most advanced turbo charged applications. **Hartland dexos1™ Gen 2 Full Synthetic** is a GM Approved motor oil for 2011 and newer model gasoline engine cars and trucks and supersedes GM-LL-A-025, GM6094M, and GM4718M.

Hartland dexos1™ Gen 2 Full Synthetic exceeds the performance requirements of API's Resource Conserving "SP" and car manufacturers ILSAC GF-6A classification as well as all prior classifications providing the latest technology in fuel economy standards while also maintain best in class wear control cleanliness, protection against sludge, and oxidation control.

Hartland dexos1™ Gen 2 Full Synthetic was developed in part to provide better vehicle performance as well as low speed pre-ignition (LPSI) protection, particularly for small displacement turbo-charged engines. High quality synthetics like **Hartland dexos1™ Gen 2 Full Synthetic** motor oil allow turbo-charged and Gasoline Direct Inject engines (GDI) that experience LSPI to safely maintain their efficiency and fuel economy performance.

FEATURES

Low Speed Pre-Ignition (LSPI)

- Protection for small displacement turbocharged GDI engines
- Drive an extra 580 miles per year on average
- "Resource Conserving" approved
- Protects engine components from wear leading to loss of power
- Industry leading high temperature deposit control
- Up to 60% cleaner pistons than the industry standard
- Extremely low volatility providing extended drain protection

RECOMMENDATIONS

Hartland dexos1™ Gen 2 Full Synthetic exceeds all of the following performance requirements or OEM specifications:

- dexos1™
- SP and all prior classifications
- ILSAC GF-6A and prior classifications
- ACEA A5/B5-16
- GMW 16182, 16181, 17332, 16076
- GM 6094M, GM4718M.
- Ford M2C946-A, M2C947-A, M2C946-B1, M2C947-B1
- BMW LL-01, Chrysler MS-6395, Fiat H2 M2 N2,
- Honda/Acura HTO-06

TYPICAL PROPERTIES

Hartland dexos1™ Gen 2 Full Synthetic		
SAE Grade	0W-20	5W-30
Viscosity @ 40°C, cSt	42.76	63.15
Viscosity @ 100°C, cSt	8.10	11.20
Viscosity Index	168	175
Pour Point, °C	-51	-48
HTHS @ 150°C	2.6	2.9
Flash Point, °C (COC)	200	210
NOACK Volatiltity	<13%	<13%

The above characteristics are typical of current production. While production will conform to specification, slight variations may occur and do not affect performance.