

PRODUCT INFORMATION

ECOSE® Full Synthetic Motor Oil

MEETS OEM DEMANDS FOR IMPROVED PERFORMANCE TO COMBAT LOW SPEED PRE-IGNITION (LSPI)¹

Approved for dexos1™ Gen 2

ECOSE® Full Synthetic Motor Oil is a premium, full synthetic gasoline engine lubricant specially designed to meet the most demanding performance requirements of the new dexos1™ Gen2 specification for gasoline-fueled General Motors vehicles. ECOSE® Full Synthetic Motor Oil provides enhanced vehicle performance as well as **low speed pre-ignition (LSPI) protection**, particularly for **small displacement turbo-charged engines**. This new generation engine oil is a high performance fluid providing significant wear protection, improved piston and turbocharger cleanliness and enhanced fuel efficiency.

APPLICATIONS:

ECOSE® Full Synthetic Motor Oil is recommended for use in all gasoline-fueled GM vehicles. It is fully backward-compatible making it an excellent choice for previous model year vehicles produced by GM. ECOSE® Full Synthetic is recommended for gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, where the OEM specifies SAE 0W-20 or 5W-30 engine oil. Suitable for use where: API SN Plus, SN, SM, ILSAC GF-5, GF-4, and Chrysler MS-6395, Ford M2C947-A (0W-20), and Ford M2C946-A (5W-30) are specified.



Properties	Test Method	ECOSE® dexos1™ Gen2 *0W-20	ECOSE® dexos1™ Gen2 *5W-30
Product Code		530226	530228
Kinematic Viscosity, cSt @ 40°C	ASTM D-445	45	56
Kinematic Viscosity, cSt @ 100°C	ASTM D-445	8.5	10.5
Viscosity Index, calculated	ASTM D-2270	169	170
Color	ASTM D-1500	3.5	3.0
Cold Cranking, cP	ASTM D-5293	5500 @ -35°C	3900 @ -30°C
NOACK Volatility, % wt	ASTM D-5800	10.1	10.5
High Temp/High Shear Visc., cP @ 150°C	ASTM D-4683	2.7	3.2
Sulfated Ash, % wt	ASTM D-874	<1.0	<1.0
Pour Point, °C	ASTM D-97	-51	-48
Highest API / ILSAC Performance		SN Plus/GF-5	SN Plus/GF-5
Approved against General Motors dexos1™ Gen2 under license number:		D10514HH035	D10515HH035

*Refer to the vehicle's owner manual to determine which viscosity of dexos1® is recommended for your vehicle.

dexos1™ Gen2 is a registered trademark of General Motors Corporation.

***Note: Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing. Always confirm with the original manufacturer's recommendation for proper equipment operating requirements.**

¹LSPI is a premature ignition of the air-fuel mixture in the combustion chamber. This low-speed pre-ignition is very violent and causes over pressurization of the combustion chamber that can lead to damage and failure of the piston, rings, valves, and other internal components.