

PRODUCT INFORMATION

ECOSE[®] Synthetic Blend Motor Oil

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

ECOSE[®] Synthetic Blend Motor Oil meets or exceeds the newest automotive manufacturers’ requirements aimed at addressing the increasing impact of Low-Speed Pre-Ignition (LSPI)¹ in Turbocharged Gasoline Direct Injection (TGDI) engines. ECOSE[®] Synthetic Blend Motor Oil is licensed and approved under API service SN Plus (Resource Conserving) as well as ILSAC GF-5.

ECOSE[®] Synthetic Blend Motor Oil is advanced automotive engine oil formulated with a modern, robust additive system that meets stringent OEM specifications demanding improved wear control, improved gasoline mileage and longer intervals between oil changes. These oils deliver outstanding resistance to thermal breakdown and deposit formation, even under the harshest operating conditions.

FEATURES AND BENEFITS:

ECOSE[®] Synthetic Blend Motor Oils are well-balanced multi-grade motor oils formulated to provide:

- Excellent anti-wear performance
- Improved fuel economy and durability
- Compatible with conventional motor oils
- Exceed ILSAC GF-5 requirements for new cars under warranty

APPLICATIONS:

ECOSE[®] Synthetic Blend Motor Oils are designed to provide excellent engine protection in turbocharged gasoline direct-inject and conventional engines. They offer outstanding protection for turbocharged high-power, high-efficiency gasoline, propane, and natural gas engines in the latest model passenger car and light duty trucks.

ECOSE[®] Synthetic Blend Motor Oils are backward compatible with prior API Service Categories (SN, SM, SL, and SJ).

Approvals and Recommended For Use by Nu-Tier Brands:

API SN Plus, SN / ILSAC GF-5	5W-20	5W-30	10W-30
Ford WSS-M2C945-A	5W-20	-	-
Ford WSS-M2C946-A	-	5W-30	-
FCA US LLC - Chrysler MS-6395	5W-20	5W-30	10W-30
GM 6094M**	5W-20	5W-30	10W-30
Toyota/Honda	5W-20	-	-

**Obsolete

Always consult your owner’s manual for proper lubricant selection.

AVAILABILITY:

ECOSE[®] Synthetic Blend Motor Oils are available throughout Nu-Tier Brands’ marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit Nu-tierbrands.com.

ECOSE[®] Synthetic Blend Motor Oil

Typical Properties



SAE Grade		5W-20	5W-30	10W-30
Product Code	Test Method	530132	530133	530136
Gravity, API	ASTM D-4052	33.2	32.6	30.8
Density, lbs/gal (g/L)	Calculated	7.17 (859)	7.18 (860)	7.26 (870)
Viscosity, cSt @ 40°C	ASTM D-445	46.0	62.5	70
Viscosity, cSt @ 100°C	ASTM D-445	8.3	10.5	11.0
Viscosity Index	ASTM D-2270	158	159	146
CCS @ -25°C, cP	ASTM D-5293	----	----	5800
CCS @ -30°C, cP	ASTM D-5293	5600	5400	----
Color	ASTM D-1500	3.0	3.0	3.0
Pour Point, °F	ASTM D-5949	-34	-36	-32
Flash Point, COC, °F/ (°C)	ASTM D-92	420 (216)	430 (221)	430 (221)
Sulfated Ash, wt %	ASTM D-874	0.9	0.9	0.9
Base Number	ASTM D-2896	8.0	8.0	8.0
Highest API/ILSAC Performance		SN Plus/GF-5	SN Plus/GF-5	SN Plus/GF-5

***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.**

¹ LSPI 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.