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DATA BULLETIN

# Synthetic Vehicular Natural Gas Engine Oil SAE 15W-40

## Formulated to Provide Maximum Efficiency in Vehicular Applications Fueled by Natural Gas




AMSOIL Synthetic Vehicular Natural Gas Engine Oil is formulated specifically to meet the special requirements of natural-gas-fueled engines used in vehicles and mobile equipment. It delivers superior protection and performance in applications calling for a 15W-40 low-ash lubricant.

- **Guards** against valve-train wear
- **Fights** valve recession
- **Helps** reduce oil consumption and emissions
- **Capable** of extended drain intervals with oil analysis

### Excellent Wear Protection

The synthetic base oils and advanced anti-wear additive system of Synthetic Vehicular Natural Gas Engine Oil provide enhanced valve-train protection, whether roller or slider followers are used. It is formulated with high levels of zinc and phosphorus to provide outstanding wear protection in applications requiring the Cummins* CES 20074 specification.

### Minimizes Deposits and Valve Recession

Synthetic Vehicular Natural Gas Engine Oil's low-ash formulation helps minimize valve stem and combustion chamber deposit formation. It is designed to reduce valve recession, a common problem with low-ash oils. Its balanced formula allows for a high total base number (TBN) to neutralize acids and protect against corrosion while meeting low ash requirements.

### Maintains Viscosity

The shear-stable formula of Synthetic Vehicular Natural Gas Engine Oil offers maximum protection against viscosity loss while providing optimal service over a broad temperature range. It has inherently low volatility to reduce oil consumption and emissions, helping maintain serviceability of emissions equipment.

### Delivers Continuous Protection

AMSOIL Synthetic Vehicular Natural Gas Engine Oil is a long life oil that has demonstrated extended drain interval capabilities when carefully monitored by an oil analysis program. When extending oil drain intervals, change the oil filter at the engine manufacturer's recommended interval.

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## TYPICAL TECHNICAL PROPERTIES

### Synthetic Vehicular Natural Gas Engine Oil (ANGV)

| | |
|---|---|
| Viscosity 100°C, cSt (ASTM D445) | 14.5 |
| Viscosity 40°C, cSt (ASTM D445) | 97.4 |
| Viscosity Index | 155 |
| Cold Crank Simulator, cP (°C) (ASTM D5293) | 4730 (-20) |
| Flash Point, °C (°F) (COC) (ASTM D92) | 238 (460) |
| Fire Point, °C (°F) (COC) (ASTM D92) | 258 (496) |
| Pour Point °C (°F) (ASTM D97) | -39 (-38) |
| NOACK (%wt loss) (ASTM D5800) | 6.7 |
| Four Ball Wear Test (ASTM D4172) | 0.44 |
| Total Base Number (TBN) | 5.84 |
| Total Acid Number (TAN) | 1.05 |
| HTHS (cP) (ASTM D5481) | 4.2 |
| Sulfated Ash Content, wt % | 0.58 |

## APPLICATIONS

Use in mobile applications fueled by compressed natural gas (CNG), liquefied natural gas (LNG) or liquefied petroleum gas (LPG); including transit buses, medium/heavy-duty trucks, refuse haulers, school buses and delivery trucks. Use in applications that require the Cummins* CES 20074 specification.

## COMPATIBILITY

AMSOIL Synthetic Vehicular Natural Gas Engine Oil is compatible with synthetic and conventional motor oils. Mixing AMSOIL motor oils with other oil, however, will shorten the oil's life expectancy and reduce the performance benefits. Engine oil additives or aftermarket products are **not recommended** for use with Synthetic Vehicular Natural Gas Engine Oil.

## AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

## HEALTH AND SAFETY

This product is not expected to cause health concerns when used for the intended applications and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available online at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children**.

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