DATA BULLETIN

Synthetic Stationary Natural Gas Engine Oil SAE (20W) 40

Formulated to Provide Top Efficiency in Stationary Engines Fueled by Natural Gas

AMSOIL Synthetic Stationary Natural Gas Engine Oil delivers superior protection in stationary natural gas engines calling for an SAE 40, low-ash lubricant. Its shear-stable formula qualifies it as a multi-grade 20W-40 so it can be used over a broad ambient temperature range, reducing the need for seasonal oil changes.

Controls Wear

AMSOIL Synthetic Stationary Natural Gas Engine Oil is formulated with low sulfated ash to minimize carbon deposits and port blockage, resulting in reduced maintenance and extended equipment life. Advanced anti-wear and anti-scuff protection helps control valve recession and wear on piston rings, cylinder liners and bearings during continual severe-service operation.

Keeps Engines Clean

AMSOIL Synthetic Stationary Natural Gas Engine Oil is engineered with premium base oils and additives to improve engine lubrication by keeping oil passages clean. Its balanced formula allows for a high total base number (TBN) to protect against corrosion while meeting low ash requirements.

Controls Nitration

Nitration is a common concern in natural gas engines and can cause oil to thicken, reducing operational efficiency. AMSOIL Synthetic Stationary Natural Gas Engine Oil is naturally resistant to nitration, delivering maximum engine protection.

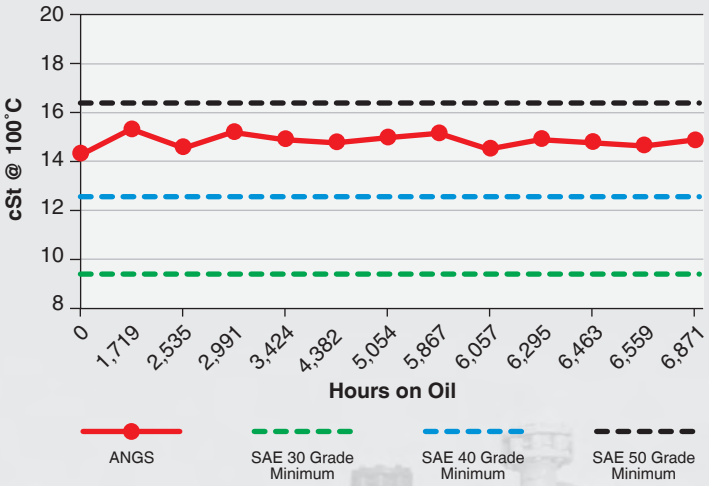
Protects Emission Systems

AMSOIL Synthetic Stationary Natural Gas Engine Oil is formulated with low zinc and phosphorus levels to prolong the life of emission catalyst systems without sacrificing wear protection.

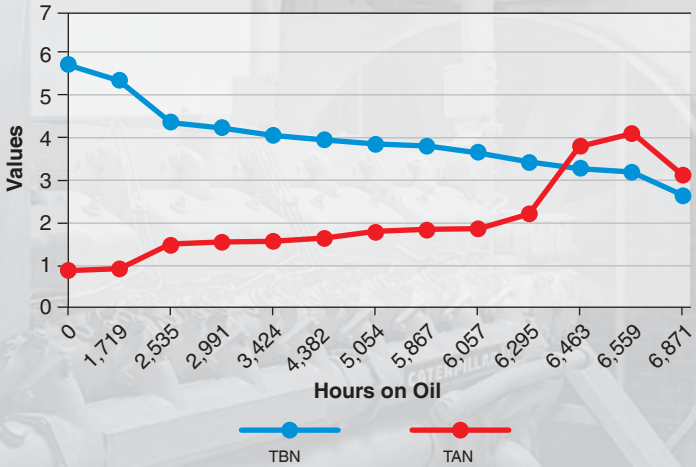
Delivers Long-Lasting Protection

Extensive monitoring by oil analysis has proven that drain intervals can be safely extended with AMSOIL Stationary Natural Gas Engine Oil. When extending oil drain intervals, change the oil filter at the equipment manufacturer's recommended interval.

Oil Viscosity (ASTM D445)



Total Acid & Base Numbers (ASTM D2896 & 664)



Actual field validations with AMSOIL customer.

TYPICAL TECHNICAL PROPERTIES

AMSOIL Synthetic Stationary Natural Gas Engine Oil (ANGS)

Sulfated Ash Content, % (ASTM D874)	0.46
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	14.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	97.5
Viscosity Index (ASTM D2270)	149
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	3.9
Flash Point, °C (°F) (ASTM D92)	254 (489)
Fire Point, °C (°F) (ASTM D92)	282 (540)
Pour Point, °C (°F) (ASTM D97)	-40 (-40)
Four-Ball Wear Test, Scar, mm (ASTM D4172)	0.35
High-Temperature/High-Shear Viscosity @ 150°C 1.4 x 10^6 S^{-1}, cP (ASTM D5481)	4.3
TBN	5.7

APPLICATIONS

AMSOIL Synthetic Stationary Natural Gas Engine Oil is recommended for use in stationary four-stroke and two-stroke engines that require low-ash (<.50%) engine oil and are fueled by natural gas.

AMSOIL Synthetic Stationary Natural Gas Engine Oil should not be used in vehicular applications that run on propane or natural gas.

COMPATIBILITY

AMSOIL Synthetic Stationary Natural Gas Engine Oil is compatible with conventional petroleum oils and other synthetic lubricants; however, mixing AMSOIL Stationary Engine Oil with other oils will shorten the oil's life expectancy and reduce the performance benefits.

Aftermarket oil additives are **not recommended** for use with AMSOIL Synthetic Stationary 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 & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.

The First in Synthetics®

© 2015, AMSOIL INC. All rights reserved. The AMSOIL logo is a registered trademark of AMSOIL INC.