



# CETUS ELITESYN™ NG

## 68, 100, 150

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### PRODUCT DESCRIPTION

Cetus EliteSyn™ NG is a PAG (polyalkylene glycol) based natural gas compressor oil formulated for use in rotary screw and reciprocating compressors to resist hydrocarbon dilution in natural gas service with heavier hydrocarbon gases, high H<sub>2</sub>S and/or CO<sub>2</sub> content. This product provides improved protection against wear, corrosion, and varnish formation when compared to mineral-oil based lubricants in similar service.

### CUSTOMER BENEFITS

Cetus EliteSyn NG oils deliver value through:

- **Minimized dilution** - Up to 60% less dilution than hydrocarbon oils which helps limit dilution levels to 20% wt, or less, in typical screw compressor applications
- **Corrosion resistance** - Excellent corrosion and rust resistance for sour gas (H<sub>2</sub>S) compression
- **Anti-wear protection** - Resists surface "washing" by condensed hydrocarbons in reciprocating compressors
- **Minimized clogging** - Water-soluble base stock prevents downstream filter clogging and complications when compared to compounded or mineral oil-based fluids

### FEATURES

For higher molecular weight hydrocarbon gas, refinery waste gas and vapor recovery applications, properly formulated water-soluble ethylene oxide polyalkylene glycols, or PAG lubricants, are recommended as they are more resistant to hydrocarbon dilution. When compared to mineral oils or other synthetic hydrocarbons (PAO), Cetus EliteSyn NG exhibits up to 50% less dilution by normal hydrocarbons. It is also inversely soluble with water which allows the rejection of water at temperatures above approximately 70°C (158°F).

Select additives have been included to protect compressor systems from corrosion in sour or acid gas applications with higher levels of carbon dioxide and hydrogen sulfide.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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## APPLICATIONS

Cetus EliteSyn™ NG fluids are recommended for portable and stationary rotary screw, rotary vane, and reciprocating compressors. OEM recommendations for proper ISO viscosity grade should be referenced and followed for given operating conditions.

Cetus EliteSyn NG can be used in compressors with the following gases:

- Process air
- Benzene
- Butadiene
- Carbon dioxide (dry)
- Carbon monoxide
- Ethylene
- Furnace (crack) gas
- Helium
- Hydrocarbon gases
- Hydrogen
- Inert gases
- Methane
- Natural gas
- Nitrogen
- Propane
- Sulfur hexafluoride
- Synthetic gases

## TYPICAL TEST DATA

ISO Grade	68	100	150
Product Number	233905	233906	233907
SDS Number	7579	7579	7579
Denisty at 20°C	1.03	1.04	1.05
Viscosity, Kinematic cSt at 40°C cSt at 100°C	68 14.2	100 20.2	150 28.8
Viscosity Index	220	227	230
Flash Point, °C(°F)	204(400)	240(464)	240(464)
Pour Point, °C(°F)	-51(-60)	-48(-55)	-48(-55)
Fire Point, °C(°F)	285(545)	282(540)	290(554)
Total Acid Number	0.6	0.6	0.6
Copper Corrosion -24h at 100C	1B	1B	1B
4 Ball Wear, 1800rpm, 75C, 40kg, 1hr	0.4	0.35	0.35

Minor variations in product typical test data are to be expected in normal manufacturing.

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