



CETUS[®] PAO HC

PRODUCT DESCRIPTION

Cetus[®] PAO HC is a synthetic compressor lubricant formulated with high quality PAO base fluids.

CUSTOMER BENEFITS

Cetus PAO HC delivers value through:

- **Exceptional thermal stability** — The polyalphaolefin base fluid helps assure long lubricant life in high temperature operation.
- **High purity** — Cetus PAO HC has a low carbon forming tendency and contains no polymer additives that result in the formation of deposits and sticky residues on discharge valves, piping, and aftercooler tubing.
- **Low coefficient of friction** — Compared to conventional compressor lubricants, Cetus PAO HC provides better lubrication of moving parts with reduction of operating temperatures.
- **Formulation for inert and hydrocarbon gas compression** — Cetus PAO HC does not contain the additives used for air compression which can lead to catalyst poisoning.

FEATURES

Cetus PAO HC is a synthetic compressor lubricant. It is formulated to meet the demands of reciprocating compressors for gases other than air.

It is formulated with the highest quality polyalphaolefin (PAO) base fluids. PAO has inherent properties, such as excellent thermal and oxidative stability, high viscosity index, high flash and fire points, natural friction reducing ability, and excellent low temperature fluidity, which make Cetus PAO HC especially well suited for the lubrication of compressor cylinders.

The ashless nature of Cetus PAO HC makes it nonpoisonous to catalysts.

The purity and thermal stability of this lubricant will substantially minimize the formation of sludge, deposits and sticky residues on compressor discharge valves, piping, and aftercooler tubing.

APPLICATIONS

Cetus PAO HC is designed to meet the needs of cylinder lubrication in reciprocating compressors for inert gases (e.g. nitrogen, hydrogen, carbon dioxide, etc.) or for hydrocarbon gases (e.g. ethylene, propylene, propane, butane, etc.).

The synthetic properties of Cetus PAO HC minimize the problems associated with dilution by liquid hydrocarbons and by gas absorption at high pressures.

Cetus PAO HC meets **U.S. Food and Drug Administration (FDA)** requirements, 21 CFR 178.3570, and is suitable for lubrication of ethylene and propylene compressors involved in the manufacture of polymeric food packaging.

Cetus PAO HC is registered by **NSF** and is acceptable as a lubricant where incidental food contact may occur (H1) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

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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TYPICAL TEST DATA

ISO Grade	220
<i>Product Number</i>	<i>293029</i>
<i>SDS Number</i>	<i>31296</i>
AGMA Grade	5
API Gravity	36.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	230 28.3
Viscosity, Saybolt SUS at 100°F SUS at 210°F	1066 134.8
Viscosity Index	160
Flash Point, °C(°F)	232(450)
PAO 6 HVI/mPAO 150 Pour Point, °C(°F) (measured)	-49(-56)

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

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