

TECHNICAL DATA SHEET ULTRA CLEAR PAG COMPRESSOR HC



DESCRIPTION

ULTRA CLEAR PAG COMPRESSOR HC is a fully formulated compressor lubricant for use in ethylene hyper-compressors. It is a synthetic polyalkylene glycol (PAG) compressor lubricant developed for use with high specific gravity hydrocarbon gas streams. ULTRA CLEAR PAG COMPRESSOR HC has limited solubility with hydrocarbons and offer very high viscosity index and low pour point. The low pour point and stable viscosity of the product increases effectiveness in applications where high and low temperature extremes are encountered. ULTRA CLEAR PAG COMPRESSOR HC is formulated to prevent catalyst poisoning and minimize contamination of process gasses. The product displays outstanding thermal, oxidative, and hydrolytic stability, providing excellent rust and corrosion protection in acidic environment. ULTRA CLEAR PAG COMPRESSOR HC meets NSF H-1 food grade specifications and ISO 6743-3, DGC classification.

SUMMARY OF BENEFITS

- Superior load carrying and lubricant performance, minimising wear on plungers and packings
- Longer life of compressor parts including cylinders, bearings, rings and gears
- Effective lubrication in wide range of hydrocarbon gas mixtures
- Resists "washing off" cylinder walls of reciprocating compressors
- Better oil flow in the high-pressure lubricant lines of the compressor
- Much less likely to solidify in the lines at lower temperatures, less wear at start-up
- Minimises viscosity reduction
- Minimal vapor phase oil carryover to downstream equipment

APPLICATIONS

ULTRA CLEAR PAG COMPRESSOR HC is recommended for:-

- Ethylene hydrogen compression
- Reciprocating Compressors
- Hydrogen or helium compression
- Inert gas applications

TYPICAL CHARACTERISTICS

CRITERIA	TEST METHOD	VALUE
KINEMATIC VISCOSITY cSt		
@ 40°C	ASTM D445	270.7
@ 100°C	ASTM D445	49.8
VISCOSITY INDEX	ASTM D2270	246
SPECIFIC GRAVITY @ 60°F/15.6°C	ASTM D4052	1.06
DENSITY, LB/GAL	ASTM D4052	8.83
FLASH POINT, °F/°C	ASTM D92	473/245
POUR POINT, °F/°C	ASTM D97	-49/-45

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

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