

DESCRIPTION

ULTRA CLEAR EST COMPRESSOR MF series is a high-performance, synthetic Diester-based compressor lubricant specifically engineered for demanding applications. It delivers exceptional high-temperature stability and is ideally suited for use in reciprocating and vane air compressors operating under high pressure and temperature conditions. Free of metals, ULTRA CLEAR EST COMPRESSOR MF series features an advanced additive system designed to protect against corrosion, wear, oxidation, and solid formation at elevated temperatures. The formulation offers outstanding thermal, oxidative, and hydrolytic stability, making it well-suited for applications requiring extended drain intervals and consistent performance. Additionally, it is fully demulsible and maintains stable viscosity across a broad temperature range, ensuring reliable operation in both high and low temperature environments.

SUMMARY OF BENEFITS

- Ashless formulation to reduce deposit formation
- Compatible with downstream catalysts in hydrogen compressor systems
- Contributes to longer filter life
- Excellent thermal and oxidative stability for reliable high-temperature performance
- Enhances bearing, cylinder, cooler, and equipment longevity
- Fully demulsible, ensuring efficient water separation
- Helps reduce overall maintenance costs
- Low volatility with a high auto-ignition temperature for enhanced safety
- Metal-free composition to prevent catalyst contamination
- Minimizes solid formation under high-temperature conditions
- Offers effective separation in gravity-type oil/water separators
- Provides superior rust and corrosion protection
- Reduces vapor-phase oil carryover to downstream components
- Supports extended oil service life

APPLICATIONS

- HYDROGEN GAS COMPRESSORS
- ROTARY VANE COMPRESSORS
- RECIPROCATING COMPRESSORS

TYPICAL CHARACTERISTICS

ULTRA CLEAR EST COMPRESSOR	TEST METHOD	100 MF	150 MF
DENSITY, LB/GAL	ASTM D-4052	7.62	7.57
KINEMATIC VISCOSITY			
@ 40°C	ASTM D445	101.7	153.2
@ 100°C	ASTM D445	13.6	18.32
VISCOSITY INDEX	ASTM D2270	133	134
MOISTURE, PPM	ASTM D1744	<500	<500
POUR POINT, °C	ASTM D97	-54	-45
FLASH POINT, °C	ASTM D93	245	249
SPECIFIC GRAVITY @ 60°F/15.6° C	ASTM D4052	0.913	0.908
TAN MGKOH/G	ASTM D664	<0.5	<0.5
CONRADSON CARBON RESIDUE, %WT	ASTM D189	<0.05	<0.05
TOTAL METAL CONTENT, PPM	ASTM D5185	<2	<2
COPPER STRIP CORROSION, 24HRS @100° C	ASTM D130	1B	1B
FOAMING TEND/STAB, SEQ. I, ML	ASTM D-892 (I)	5/0	5/0
FOAMING TEND/STAB, SEQ. II, ML	ASTM D-892 (II)	5/0	5/0
FOAMING TEND/STAB, SEQ. III, ML	ASTM D-892 (III)	5/0	5/0

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.

Aug 2025