

## DESCRIPTION

ULTRA CLEAR EST COMPRESSOR series is a fully formulated synthetic Diester-based, high-performance compressor lubricant. It is designed for use in reciprocating and rotary vane compressors operating under high temperature and high-pressure conditions. Formulated for compatibility with refinery processes such as hydrotreating, reforming, and platforming, ULTRA CLEAR EST COMPRESSOR offers enhanced wear protection and is suitable for use with UOP catalyst systems in reformer and hydrotreater applications. The carefully selected base oil and advanced additive package deliver excellent resistance to solid formation, ashless chemistry with minimal metal content (very low ppm), superior protection against corrosion, wear, and oxidation at elevated temperatures and outstanding thermal, oxidative, and hydrolytic stability for extended drain intervals. In addition, its low pour point ensures reliable performance in applications exposed to low temperature extremes.

## SUMMARY OF BENEFITS

- Broad operating temperature range
- Clean system performance with no sludge formation
- Extended oil life
- Extended compressor service life
- Effective separation in gravity-type oil/water separators
- Improved operating efficiency
- Longer filter service intervals
- Minimal vapor-phase oil carryover to downstream equipment
- Maximum protection for bearings, cylinders, coolers, and other equipment
- Minimal solid formation
- Reduced discharge valve maintenance
- Reduced overall maintenance costs
- Superior oil flow and reduced wear during start-up

## APPLICATIONS

- ROTARY SCREW COMPRESSORS
- RECIPROCATING COMPRESSORS
- ROTARY VANE VACUUM PUMPS
- REFINERY GAS COMPRESSION
- HYDROGEN GAS COMPRESSION

## TYPICAL CHARACTERISTICS

ULTRA CLEAR EST COMPRESSOR	TEST METHOD	100	150
DENSITY, LB/GAL	ASTM D-4052	7.56	7.58
KINEMATIC VISCOSITY			
@ 40°C	ASTM D445	95.8	154.2
@ 100°C	ASTM D445	15.0	20.93
VISCOSITY INDEX	ASTM D2270	165	159
WATER CONTENT, PPM	ASTM D6304	300	300
POUR POINT, °C	ASTM D97	-48	-48
FLASH POINT, °C	ASTM D93	194	192
SPECIFIC GRAVITY @ 60°F/15.6° C	ASTM D4052	0.906	0.908
TAN MGKOH/G	ASTM D664	<0.5	<0.5
CONRADSON CARBON RESIDUE, %WT	ASTM D189	<0.05	<0.05
FOUR BALL WATER, MM	ASTM D4172	<0.5	<0.5
TOTAL METAL CONTENT, PPM	ICP-OES	<100 PPM	<100 PPM
FOAMING TEND/STAB, SEQ. I, ML	ASTM D-892 (I)	20/0	20/0
FOAMING TEND/STAB, SEQ. II, ML	ASTM D-892 (II)	50/0	50/0
FOAMING TEND/STAB, SEQ. III, ML	ASTM D-892 (III)	50/0	50/0
COPPER STRIP CORROSION, 24HRS @100° C	ASTM D130	1B	1B
DEMULSIBILITY 15MIN @82° C	ASTM D1401	43/37/00	43/37/00

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