



RUGGED SYNTHETIC COMPRESSOR OIL

RUGGED SYNTHETIC COMPRESSOR OIL is formulated with Group III type synthetic base fluid. The superior reliability of this product will provide for reduced maintenance and downtime. The high viscosity index and low pour point allows consolidation of products because of its wide temperature operability range. Rugged Synthetic Compressor Oil protects against foaming, rust, oxidation carbon and wear. Its unique ashless anti-wear properties make it an excellent choice for a wide range of compressors. Exceptional cold weather performance by this product is demonstrated by the Cold Crank Simulator (CCS) test ASTM D-5293 in which Rugged scored 1600cP vs. a typical Gulf Coast base oil which scored a 6500 cP.

Advantages:

- Increased compressor life
- Extreme temperature compatibility
- Extended drain life
- Superior thermal and oxidation stability

TYPICAL PROPERTIES		
ISO Grade	ASTM D-2422	46
Flash Point, °F	ASTM D-92	465
Pour Point, °F	ASTM D-97	-70
Specific Gravity	ASTM D-1298	0.83
Viscosity cSt		
@ 100 °C	ASTM D-445	7.0
@ 40 °C	ASTM D-445	43.0
Viscosity Index	ASTM D-2270	125
RBOT (hours)	ASTM D-2272	REPEAT
Minutes to 25 psi drop		713,740
Turbine Oil Oxidation	ASTM D-943	
H to 2.0 NN		11,088
Sludge & Metal Corrosion		
NN		.20
Insoluble Sludge, mg		18.3
Total Copper, mg		.10
Total Iron, mg		.20
Foam Stability	ASTM D-892	
Sequence 1		30/0
Sequence 2		20/0
Sequence 3		20/0
Turbine Oil Rust Test	ASTM D-665	
A distilled water		PASS
B syn. Sea water		PASS
FZG (A/8/6/90)	DIN 51354	
Damage load stage		part@-12
Denison P-46 Piston Pump	HF-0	
100 h		PASS
Vickers 104C Vane Pump	IP281	
(250h) Weight Loss (mg)		
Ring		20
Vane		15
Denison T-5d Vane Pump	HF-0	
Ring & Vane Weight Loss (mg)		
100 h		Pass
CM Heat Test	Cincinnati Milacron	
(168h@135 °F)	P-70	
Sludge (mg/100ml)		20.8
Cu Rating		3.0
Cu Weight Loss		4.3
Hydrolytic Stability	HF-0	
Cu Weight Loss (mg/cm2)		.014
Total Acidity (mg KOH)		2.57

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