

SENSYN DE 40

**100% SYNTHETIC COMPRESSOR LUBRICANT
DIESTER BASED FLUID
(GROUP V)**

DESCRIPTION:

SenSyn DE 40 is an ISO Viscosity Grade 150, 100% synthetic compressor lubricant fully formulated from the highest quality diester based fluids.

SenSyn DE 40 is recommended for both cylinder and crankcase lubrication in reciprocating compressors where a fluid of this viscosity is required.

BENEFITS:

- Higher compressor efficiency
- Reduced systems deposits
- Lower energy costs
- Longer lubricant service life
- Higher compressor reliability
- Safer compressor operation

PRODUCTS FEATURES:

- Clean operation - lowest deposit forming tendencies
- Extended lubricant life - excellent high temperature stability
- Long bearing life - superior anti-wear performance
- Less maintenance - excellent rust and corrosion protection
- Wide temperature range - high flash & fire points, low pour point
- High separation efficiency - excellent demulsibility characteristics
- Approved by USDA for H-2 (formerly BB) service

APPLICATIONS:

- Circulating and splash lubricated rotary compressor systems
- Rings and cylinder of reciprocating air compressors
- Oil batch intake air cleaners
- Airline oilers serving valves/cylinder on pneumatic equipment
- Some gear, bearing, hydraulic and chain applications operating beyond petroleum oil capabilities.



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COMPATIBILITY:

SenSyn DE 40 is compatible with petroleum compressor lubricants, however, blending or mixing with other fluids will reduce its high performance characteristics.

SenSyn DE 40 is recommended for use with fluorocarbon (Viton), fluorosilicone, polysulfide and high nitrile Buna-N elastomers. It is not recommended for use where neoprene, natural rubber, styrene-butadiene rubber (SBR, Buna-S), butyl rubber, or low nitrile Buna-N seals are present.

SPECIFICATIONS:

PROPERTIES	Typical	Method
ISO Viscosity Grade	150	ISO 3448
Viscosity @ 40°C (100°C), cSt	149 (15.0)	ASTM D-445
Viscosity Index	101	ASTM D-2270
Specific Gravity	0.9560	ASTM D-792
Density, lb/gal. @ 15.6°C/60°F	7.962	ASTM D-1250
Pour Point, °C (°F)	-34 (-30)	ASTM D-97
Fire Point, °C (°F)	293 (560)	ASTM D-92
Flash Point, °C, COC	505	ASTM D-92
Auto-ignition Temperature, °C (°F)	418 (785)	ASTM D-2155
Evaporation Loss, 22 hours @ 98.9 °C (210 °F), %	0.2	ASTM D-972
Conradson Carbon Residue, wt %	0.02	ASTM D-189
Total Acid Number, mgKOH/g	0.2	ASTM D-664
Water Content, wt %	0.02	ASTM D-1744
4-Ball Wear Scar, MM 1 Hour, 1200 rpm. 40 kg, 75 °C (167 °F)	0.42	ASTM D-2266
Demulsibility @ 54°C (130°F)	43-37-0 (10)	ASTM D-1401
Rust Test, 48 Hours - Distilled Water - Sea Water	Pass Pass	ASTM D-665A ASTM D-665B
Appearance	Amber Liquid	Visual