

ANDEROL PRODUCT DATA SHEET

ANDEROL[®] 1200N

SYNTHETIC RECIPROCATING COMPRESSOR LUBRICANT

GENERAL INFORMATION

ANDEROL 1200N is an ISO 320 diester-based lubricant, this gives the right protection for each individual requirement, even for extreme low or high ambient temperatures and working conditions.

The oxidation resistance and stable viscosity of this fluid eliminates varnish formation and separator blocking. Due to the excellent film strength and lubricity of this fluid you will experience less wear, higher efficiency and six to eight or even longer drain intervals than with mineral oils.

TYPICAL PROPERTIES:

SALES SPECIFICATIONS				
PROPERTY	TEST METHOD	MIN	MAX	TYPICAL RESULTS
Viscosity @ 40°C, cSt	ASTM D-445	288	352	293
Viscosity @ 100°C, cSt	ASTM D-445	22	27	25.4
Pour Point, °C	ASTM D-97		-30	-36
Flash Point, °C	ASTM D-92	270	-	290
Specific Gravity, 15°C	DIN 51.757	0.93	0.96	0.941

ADDITIONAL INFORMATION		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Autoignition Temperature, °C	ASTM E-659	425
Conradson Carbon Residue, %	ASTM D-189	0.05
Evaporation, 22 hrs @ 99°C, %	ASTM D-972	<1.0
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D-130	1a
Four-Ball Wear, 1200 rpm, 75°C, 40 kg, 1 hr, mm	ASTM D-4172	0.4

APPLICATIONS

This ANDEROL series are highly recommended as long term cylinder and crankcase lubricant for reciprocating process/Gas-compressors and vacuum pumps.

ANDEROL 1200 N will be used for applications (excl. H₂) in combination with dry Nitrogen

For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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GAS COMPATIBILITY

The following gases are compatible with this lubricant series:

Benzene	Furnace (crack)gas	Natural gas	Butadiene
Helium	Nitrogen	Carbon Dioxide (dry)	Carbon Monoxide
Hydrogen Sulphide (dry)	Hydrogen Sulphur	Propane	Synthetic gas
Ethylene	Hexafluoride		
	Methane		

APPROVALS

The advantages with this lubricant in process/gas-compressor application include:

- Longer service life and greater protection of compressor components
- High compatibility with a wide variety of gases
- Very low vapour pressure
- High oxidation resistant
- Wide operating temperature
- Elimination of varnish lacquering and deposits
- Reduced energy consumption
- Lower oil consumption
- Very long drain intervals
- Reduced compressor maintenance
- Excellent air-release and non-foaming properties
- Greatly reduced fire and explosion hazard
- Compatibility with compressor seals, gaskets hoses and air system components

COMPATIBILITY

ANDEROL Process/Gas-Compressor lubricants are not detrimental to seals, paint and plastics containing Viton, High Nitrile Buna N, Teflon Epoxy Paint, Oil-resistant Alky, Nylon, Delrin, Celdon and PBT. Not recommended are Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, lacquer, Polystyrene, PVC and ABS

A1200N: 9/28/01 eb



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