TECHNICAL DATA SHEET

NEXT GPL E

Ester Gas Compressor Lubricant · 264 Series



NEXT GPL E is a fully ester-based gas compressor lubricant for biomethane and other hydrocarbon gas compression applications prone to carbon and varnish deposits. Its ester base fluids provide cleaning action that helps control deposit buildup throughout the lubricant service interval.

The formulation is suited to methane recovery, cogeneration, and high-temperature gas compression. Extremely low volatility and very low lubricant carryover help limit lubricant losses, while excellent low-temperature fluidity supports operation at lower temperatures.

APPLICATIONS

- Biomethane compression
- Hydrocarbon gas compression
- Cogeneration and methane recovery
- High-temperature gas compression

COMPRESSORS

- Rotary screw compressors
- Reciprocating (piston) compressors

BENEFITS

- Excellent carbon and varnish control
- Cleaning action of ester base fluids
- Food grade formulation
- Extremely low volatility
- Very low lubricant carryover
- Excellent low-temperature fluidity

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150	220
Viscosity @ 40 °C / 104 °F (cSt)	32	46	68	100	150	220
Viscosity @ 100 °C / 212 °F (cSt)	5.2	6.6	9.2	12	16.4	23.1
Viscosity Index	87	90	110	110	115	122
Density @ 15 °C / 59 °F (g/cm³)	0.93	0.93	0.94	0.94	0.93	0.93
Density @ 15 °C / 59 °F (lb/US gal)	7.76	7.76	7.84	7.84	7.76	7.76
Pour Point (°C / °F)	-45 / -49	-42 / -44	-40 / -40	-40 / -40	-39 / -38	-33 / -27
Flash Point (°C / °F)	228 / 442	233 / 451	235 / 455	245 / 473	253 / 487	265 / 509

NOTE

Values are typical and do not constitute a specification. Manufacturing specifications are available on request. Minimum operating temperatures are based on low-temperature viscosity and refrigerant miscibility data; consult NEXT Lubricants for operation below the pour point. Routine lubricant analysis is recommended to assess in-service condition. Specifications are subject to formulation and raw material changes. Always verify that this TDS is the current version.