

TECHNICAL DATA SHEET

NEXT AB

Alkyl Benzene Refrigeration Lubricant

NEXT AB is an alkylbenzene refrigeration lubricant composed of selected alkylbenzene, synthetic, and mineral base fluids. It is formulated for conventional refrigeration compressor applications where good lubricity, low-temperature fluidity, and long fluid life are required.

Suited for reciprocating, screw, centrifugal, scroll, and rotary vane compressors, NEXT AB is commonly used with halogenated refrigerants such as R-12, R-22, R-401A, R-401B, and R-402B. It may also be used in ammonia refrigeration systems; for dedicated ammonia service, consult NEXT Lubricants regarding the most appropriate product selection.

**APPLICATIONS**

- Reciprocating compressors
- Rotary screw compressors
- Centrifugal compressors
- Scroll compressors
- Rotary vane compressors

GASES

- R-12, R-22, R-401A, R-401B, R-402B
- Ammonia R-717 applications where alkylbenzene is specified
- Conventional halogenated refrigeration systems

BENEFITS

- Good low-temperature fluidity
- Excellent lubricity and film strength
- Long fluid life
- Broad compressor-type suitability
- Available across ISO VG 32 to 150

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	35	45	66	100	145
Viscosity @ 100 °C (cSt)	5.9	6.9	9.1	14.7	21.0
Viscosity Index	112	109	114	157	169
Density @ 15 °C (g/cm³)	0.86	0.87	0.87	0.87	0.87
Pour Point (°C)	-51	-48	-48	-45	-42
Flash Point (°C)	228	244	257	250	250

NOTE

Values in this Technical Data Sheet 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 operations below the pour point. Routine oil analysis is recommended to assess the in-service condition of the lubricant. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.