
CINNCOM 3E Compressor Fluids

Overview: Interlube CINNCOM 3E Compressor Fluids are specially formulated compressor fluids designed to give OEM equivalent performance in rotary screw compressors. Their unique design allows them to be used as a top-up on a number of fluids including mineral oils, PAO's, diesters, PAG's, POE's, and a number of other synthetic hydrocarbons. This helps when you are unsure of what fluid is in a compressor or if you are transitioning multiple compressors to a single, high-performance fluid in an effort to reduce inventory/ consolidate products.

Formulated with a specially selected blend of esters and other synthetic base oils, it contains a proprietary system of additives designed to give long service life, incredibly clean surfaces, and excellent component protection.

Currently available in 5 viscosity grades from ISO 32 to ISO 150, the CINNCOM 3E Compressor Fluids, these products will give 8000+ hours of service life at air outlet temperatures of up to 200°F (93°C) under normal operating conditions. The ISO 68 and ISO 100 products also make excellent Vacuum Pump Oils with minimal deposits and great anti-wear.

Operational Benefits: These products offer these competitive advantages to enhance your reliability:

- **Long service life** • **Wide temperature performance** • **Reduced deposit formation** • **Compatible with multiple competitive fluids** • **Reduced inventory** • **Low vapor pressure** • **High Flash Point- Safer operation** • **Reduced lubricant consumption**

Application:

Application	CINNCOM 3E-32	CINNCOM 3E-46	CINNCOM 3E-68	CINNCOM 3E-100	CINNCOM 3E-150
Reciprocating Compressor				√	√
Rotary Screw Compressor	√	√	√		
Rotary Vane Compressor			√	√	
Vacuum Pumps			√	√	

Typical Industries: This product is commonly used (but not exclusively) in the following industries:

- **General Manufacturing** • **Specialty Industrial**

Interlube Corporation

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International Manufacturer & Distributor of the World's Finest Lubricants & Cleaning Compounds

CINNCOM 3E Compressor Fluids

Technical Properties

Specification	Method	CINNCOM 3E-32	CINNCOM 3E-46	CINNCOM 3E-68	CINNCOM 3E-100	CINNCOM 3E-150
Appearance	ASTM E 2680-16	Light Yellow Liquid	Light Yellow Liquid	Light Yellow Liquid	Light Yellow Liquid	Light Yellow Liquid
Viscosity cSt @ 40°C cSt @100°C	ASTM D-445	32.0 5.77	46.7 7.31	68.0 9.5	100.3 11.2	147.4 14.7
Viscosity Index	ASTM D-2270	122	118	118	103	101
Density @ 15°C (gm/cm ³)	ASTM D-1298	0.860	0.865	0.870	0.903	0.906
Flash Point (°C)	ASTM D-92	242	258	258	260	255
Pour Point (°C)	ASTM D-5950	-21	-24	-24	-18	-20
Water Separation @ 54°C	ASTM D-1401	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
Copper Corrosion	ASTM D-130	1b	1b	1b	1b	1b
Rust Protection	ASTM D-665B	Pass	Pass	Pass	Pass	Pass

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CINNCOM SHC Compressor Fluids

Technical Properties

Property	Method	CINNCOM SHC 32	CINNCOM SHC 46	CINNCOM SHC 68
Appearance	Visual	Clear Liquid	Clear Liquid	Clear Liquid
Color	Visual	Trace Amber	Trace Amber	Trace Amber
Viscosity				
ISO Grade	ASTM D-445	32	46	68
cSt @ 40°C		32	46	66
SUS @ 100°F		155	220	310
Viscosity Index	ASTM D-2270	135	135	131
Pour Point (°F)	ASTM D-97	-70	-65	-55
Specific Gravity	ASTM D-4052	0.84	0.85	0.85
Conradson Carbon (%)	ASTM D-189	<0.01	<0.01	<0.01
Temperature Stability	ASTM D-2070	Excellent	Excellent	Excellent

Property	Method	CINNCOM SHC 100	CINNCOM SHC 150	CINNCOM SHC 220
Appearance	Visual	Clear Liquid	Clear Liquid	Clear Liquid
Color	Visual	Trace Amber	Trace Amber	Trace Amber
Viscosity				
ISO Grade	ASTM D-445	100	150	220
cSt @ 40°C		105.5	155.8	224.5
SUS @ 100°F		495	748	1050
Viscosity Index	ASTM D-2270	>135	>135	>135
Pour Point (°F)	ASTM D-97	-45	-45	-45
Specific Gravity	ASTM D-4052	0.86	0.86	0.87
Conradson Carbon (%)	ASTM D-189	<0.01	<0.01	<0.01
Temperature Stability	ASTM D-2070	Excellent	Excellent	Excellent

*The values shown are typical of current production.
All of them may vary within tolerable ranges.*

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