

## ULTRACHEM® R-AB SERIES REFRIGERATION LUBRICANTS

**ULTRACHEM**

### Applications:

Ultrachem R-AB Series are high performance fully synthetic refrigeration compressor oils specially designed to meet the stringent requirements of most modern refrigeration and air conditioning systems from major equipment manufacturers. These oils are formulated from the highest quality dialkyl benzene base fluids and provide excellent protection against oxidation degradation, wear and rust & corrosion. Ultrachem R-AB oils are specifically designed for refrigeration systems using non-hydrofluorocarbon refrigerants such as R-11, R-12, R-13B1, R-22, R-113, R-500, R-501, R-502, R-717 (Ammonia – NH<sub>3</sub>).

### Typical Industrial Applications:

- Refrigeration Compressors
- Air Conditioning Compressors

### Performance Benefits:

- Excellent wear and rust protection resulting in reduced maintenance costs and longer equipment life
- Low pour point
- Superior thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency
- Excellent high temperature and chemical stability
- Compatible with materials of construction and elastomers commonly used in the refrigeration system

TYPICAL PROPERTIES	TEST METHOD	R-AB 15	R-AB 32	R-AB 46	R-AB 68	R-AB 100
ISO Grade	ASTM D2422	22	32	46	68	100
Viscosity @ 40°C, cSt	ASTM D445	16	32	43	60	92
Floc Point, °C/°F	ASH-86	-65/-85	-65/-85	-60/-76	-55/-67	-55/-67
Flash Point, °C/°F	ASTM D92	130/266	175/347	185/365	185/365	170/338
Pour Point, °C/°F	ASTM D97	-40/-40	-40/-40	-35/-31	-30/-22	-30/-22
Total Acid Number, mg KOH/g	ASTM D974	0.01	0.02	0.02	0.02	0.02
Moisture, ppm (low temp. miscibility, 10% oil, °C)	ASTM D1533	30	30	30	30	30
Dielectric, KV - Min	ASTM D877	40	40	40	40	40
Specific Gravity	ASTM D1298	---	---	---	0.87	0.87

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



2/11

900 Centerpoint Blvd.  
New Castle, DE 19720  
P.....302-325-9880  
F.....302-325-0335  
[info@ultracheminc.com](mailto:info@ultracheminc.com)