

# ANDEROL PRODUCT DATA SHEET

## ANDEROL® BDC-46

SYNTHETIC ROTARY COMPRESSOR OIL

### GENERAL INFORMATION

ANDEROL BDC-46 is an ISO 46 grade, synthetic ester-based long-life rotary compressor oil with good biodegradability, as compared to mineral oils. ANDEROL BDC-46 passes the ASTM D 5864-95 biodegradability test.

### TYPICAL PROPERTIES:

SALES SPECIFICATIONS				
PROPERTY	TEST METHOD	MIN.	MAX.	TYPICAL
Kinematic Viscosity, @ 40°C, cSt	ASTM D-445	42.0	50.0	45.5
@100°C, cSt	ASTM D-445	---	---	7.9
Pour Point, °C	ASTM D-97		-25	-37
Flash Point, °C	ASTM D-92	245	---	300
Specific Gravity, 15.6°C	ASTM D-1298	---	---	0.97

OTHER USEFUL INFORMATION		
PROPERTY	TEST METHOD	RESULT
Copper strip corrosion, 3 hrs at 100°C	ASTM D-130	1a
Autoignition temperature, °C	ASTM E-659	405
Conradson carbon residue, %	ASTM D-189	0.02
Demulsibility @ 54°C - ml oil/water/emulsion (minutes)	ASTM D-1401	40/40/0 (8)
Four-Ball Wear, 75°C, 40 kg, mm	ASTM D-4172	0.5
Biodegradability, %	CEC L-33-A-94	>90

### APPLICATIONS

Recommended for use in:

- Oil flooded rotary screw compressors
- Oil flooded rotary vane compressors
- Axial and centrifugal compressors

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

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## ADVANTAGES

- Eliminates compressor lacquering, reduces maintenance
- Long-life, reduced oil changes
- Wide application range:
  - Fluid at low temperatures
  - Stable at high temperatures
- High flash point, improved safety
- Based on a biodegradable synthetic ester which meets CEC L-33-A-94 biodegradability requirements of greater than 80% (mineral oil is typically 20-25%)

## COMPATIBILITY

The following paints, plastics, and seal and hose materials are recommended for use with our ester-based synthetic lubricants. Materials not recommended are also shown. For additional information, see our "Compatibility Guide".

**RECOMMENDED** - Viton, high Nitrile Buna N, Teflon, nylon, Delrin, Celcon, PBT, epoxy paint, oil-resistant alkyd paint.

**NOT RECOMMENDED** - Neoprene, low Nitrile Buna N, SBR rubber, polystyrene, PVC, ABS, lacquer, acrylic paint.

ABDC46: gmg 12/12/02



**ANDEROL**®  
Specialty Lubricants

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