

## HFC REFRIGERATION 46 (R134A)

### Description

POWER UP Refrigeration Compressor Oils are high performance fully synthetic lubricants specifically designed for the lubrication of refrigeration compressors and systems using ozone-friendly synthetic HFC refrigerants as well as recently developed HFO refrigerants and HFO/HFC blends with lower Global Warming Potential than HFC's, including A1 and A2L refrigerants as per ASHRAE 34/ISO 817 safety classification.

### REDEFINING LIQUID ENGINEERING

### Performance Benefits

<b>Excellent high temperature stability</b>	<b>Very effective to rust and corrosion</b>
<b>Well defined miscibility and P-V-T relationships with HFC refrigerants</b>	<b>Assures high system efficiency and proper oil return in refrigeration system designs</b>
<b>Very good anti-wear properties</b>	<b>Reduced compressor wear resulting in lower maintenance costs</b>

### Applications

TESTING METHODS	RESULTS
ISO VG GRADE	46
VISCOSITY, ASTM D445	
cSt @ 40 °C	40-48
cSt @ 100 °C	N/A
Viscosity Index, ASTM D 2270	130
Sulfanated Ash, Wt%, ASTM D874	1.0
Total Base # , mg KOH/g, ASTM D 2896	N/A
Pour Point, °C, ASTM D 97	-40
Flash Point, °C, ASTM D 92	230

PRODUCTS AVAILABLE IN 18L, 200L

Suitable for

- R134a
- R507a
- R500

## **Health, Safety & Environment**

### Health and Safety

- Our Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.
- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.advancelubholdings.com>
- Protect the Environment Take used oil to an authorized collection point.
- Do not discharge into drains, soil or water. Additional Information Advice on applications not covered here may be obtained from our representative.