# Virginia ETK Acid Test Kit

The Virginia ETK acid test kit is the easiest way of determining if the acid level of polyol ester (POE) compressor lubricants is considered safe or too acidic. POE lubricants are actually created by reacting an alcohol with an acid. Although the total acid numbers are higher than in comparable mineral oils, the chemical make-up of POE lubricants keeps this number relatively low. However, this lubricant can break down into it's acid and alcohol components either from excessive heat such as a motor burn-out or high discharge temperatures, or with excessive system moisture. This acid can cause damage to a system and may eventually cause the system to fail prematurely. It is important that such a condition be diagnosed early and that system be cleaned up according to proper industry procedures.



The ETK acid test kit is the number one defense against acid in a system by giving visual indication to the service technician that the system is safe, or if steps are needed to correct for a high acid condition to preserve the integrity of the system. For systems using mineral and alkylbenzene oils, use our TKO acid test kit.

# CHARACTERISTICS:

- Ultra-sensitive color change provides an accurate indication.
- Color comparison chart in every box.
- Inexpensive to use.
- · Made in the USA

## USES:

Any application which uses polyol ester lubricants and where acids formation is suspected.

## **INSTRUCTIONS FOR USE:**

- 1. Obtain an oil sample from the system.
- 2. With the sample, fill the bottle to the ring on the bottle's neck.
- 3. Replace cap and shake for 5-10 seconds.
- 4. Set bottle aside and allow to stand for 15 seconds.
- 5. Compare color against the chart included with the bottle to determine acid content in the system. Test will remain purple if safe, but will change to orange if marginal or yellow if acid is present. *Note: In some cases where oil is dark, the fluid in the ETK kit may also darken. To obtain a read-ing, hold bottle up to light and view color around the top edge of fluid.*





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### **CAUTIONARY NOTES:**

- For professional use only.
- · Harmful or fatal if swallowed.
- Flammable. Do not use near heat, sparks or open flame.

Refer to MSD sheet for further information. MSD sheets are available at your local wholesaler or by calling Virginia KMP.

#### PACKAGE SIZES AVAILABLE:

Available as a single test kit or in a convenient 12 pack.

### OTHER TEST KITS AVAILABLE FROM VIRGINIA KMP:

TKO - Use to test all mineral oil and alkylbenzene lubricants for acid.

RTK - For use in retrofitting systems to POE lubricants by indicating the percentage of mineral oil remaining in a system.

OA-1 - Mail off an oil sample and receive back a spectrographic analysis of over 20 different components as well as a numerical determination of viscosity, moisture and acid content.

NON-WARRANTY - All data, statements and recommendations contained herein are based upon the best information available and are believed to be reliable. However, no warranty, either expressed or implied, is made concerning the application of this product since the customer's use cannot be controlled. Statements concerning the use of this product should not be construed as suggestions, recommendations or inducements that it be used in violation of patent rights or in violation of any applicable laws or regulations. Product improvement is a continuous process at Virginia KMP Corp., therefore, product specifications may change without notice. Please contact your VKMP representative or distributor to verify details.

Germany

Virginia KMP Corp.

4100 Platinum Way Dallas, Texas 75237 USA Tel: 800 285 8567 Fax: 800 877 8567 E-Mail: info@virginiakmp.com

England Tel: +44 1226 273 400 Fax: +44 1226 273 401

Fax: +49 2241 975 910

Tel: +49 2241 975 907

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Italy

Tel: +39 02 45 708 663

Fax: +39 02 45 708 600

France

Tel: +33 437 420008

Fax: +33 478 495653

Hong Kong

Tel: +852 8108 2998

Fax: +852 8106 3196