

# THE ACID TEST

*For Detecting the Presence and Formation of Acid  
in Air Conditioning and Refrigeration Systems*

BIODEGRADABLE  
NON-FLAMMABLE



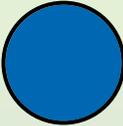
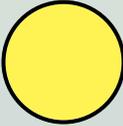
NON-HAZARDOUS  
NON-TOXIC

## 4 FOR ALL REFRIGERATION OILS COMPLETE TESTS IN EACH KIT

Simple to Understand Color Change Indicators

- ★ EASY TO USE
- ★ RESULTS IN SECONDS
- ★ ACCURATE RESULTS
- ★ SAFER FORMULA
- ★ VERY INEXPENSIVE
- ★ NO COMPLICATED CHARTS
- ★ ELIMINATES GUESS WORK



-  BLUE OR VIOLET  
No Acid Present
-  GREEN  
Moderately Acidic
-  YELLOW  
Acidic

TESTING FOR ACID IS AN IMPORTANT PART OF REGULAR PREVENTATIVE MAINTENANCE.

**THE ACID TEST** makes testing for acid in air conditioning and refrigeration systems easier, safer and less expensive than ever, while requiring only a small oil sample for accurate results in seconds.

**THE ACID TEST** provides an accurate and quick way to test for acid in all refrigeration oils. **THE ACID TEST** is like having your own portable acid testing laboratory for eliminating the expense and inconvenient delays for laboratory analysis.

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*Highside Chemical Products are available through local wholesalers and distributors worldwide.*

## SIMPLE DIRECTIONS FOR USING



### AIR CONDITIONING & REFRIGERATION SYSTEMS

#### DIRECTIONS:

\* **MATERIAL IN VIALS SHOULD BE BLUE OR VIOLET WHEN OPENED.**

1. Remove top from plastic canister and peel away protective foam seal.
2. Remove the twist off cap from one vial.
3. Partially fill vial with an equal amount of test oil to a level 8mm or 1/4 inch below neck of vial.
4. Replace cap and tighten securely.
5. Vigorously shake vial for 2 to 5 seconds.
6. Visually check the color of the resulting material in vial.

**ACID  
NEUTRALIZER**  
KEEPS THE ACID AWAY

Highside's **ACID NEUTRALIZER** can be used to control and eliminate acid in air conditioning and refrigeration systems.

Ask your wholesaler about  
Highside's **ACID NEUTRALIZER.**

#### TEST RESULTS:

##### **BLUE or VIOLET**

###### **No Acid Present**

(Indicates a nominal Ph equivalent of 6.8 or above)  
Blue or violet indicates that there is no acid present. No further steps are necessary to neutralize or remove acid in the system.

##### **GREEN**

###### **Moderately Acidic**

(Indicates a nominal Ph equivalent of 6.8 to 5.2)  
Green indicates there is a moderate level of acid in the system. It is likely that acid formation will continue unless the acid is neutralized or the oil is changed. Action to neutralize or remove the acid is recommended.

##### **YELLOW**

###### **Acidic**

(Indicates a nominal Ph equivalent of to 5.2 or below)  
Yellow indicates the presence of acid levels that are potentially dangerous and may cause damage to system components. Immediate action may be necessary to neutralize or remove the acid in the system.

**THE ACID TEST** is for use in all refrigeration oil, including mineral oil, alkylbenzene, polyol ester, polyalkylene glycol and polyalphaolefin.

**NOTICE:** The Acid Test is designed to indicate the nominal Ph ranges present in refrigeration lubricants. Any action or inaction as a result of this test is at the sole discretion of the user. Blue or violet color indicates a nominal Ph of 6.8 or higher, green color indicates a nominal Ph of 6.8 to 5.2, yellow color indicates a nominal Ph of 5.2 or below. Some Polyolester lubricants are slightly acidic and may test as acidic due to various additives or manufacturing processes. Contact the lubricant manufacturer for acceptable and expected acid levels. Refrigeration oils containing high levels of acid are dangerous and can burn skin and damage equipment. Handle with extreme care. Disposal should be in accordance with local, state and federal regulations.

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