



www.acustrip.com

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ACUSTRIP Metals Test Kit Specifications & Instructions

Acustrip 70003

Please read all instructions and safety information prior to using product.

Easily identify the level of wear metals in most all fluids including Antifreeze Coolant, Brake, Crank Case Oil, and Differential Oil, Power Steering, and Transmission Fluid. The Acustrip 70003 series provides a quick convenient way to test for low levels of wear metals on-site as needed.



Introduction

The Acustrip Low Levels Metals Test is suitable for numerous applications and provides a quick, effective and efficient test. No need for expensive and time-consuming laboratory work or expensive equipment. The Acustrip Low Levels Metals Test reveals the presence and degree of common wear metals and is designed for field use. Simply place a sample of the fluid in the provided sample bottle and dip and read your test strip. Use the Acustrip 70003/70032 Low Levels Metals Test frequently to check for total metals in the fluid as an indicator of wear and corrosion (not intended for brake fluid).

Availability

The Acustrip 70003 Low Levels Metals Test is available in a case of 12 bottles of 50 test strips each with sample bottle. The 70032 is available in a single bottle of 100 tests featuring our innovative design of two tests on a single strip allowing you to test two different fluids at the same time.

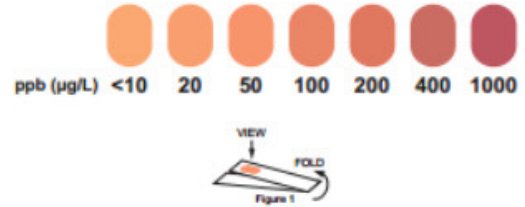


Acustrip 70032

Test Procedures

Test fluids before maintenance is performed. Two potential corrosion problems must be considered: system rusting and acidic chemical corrosion. System rusting occurs when water carried by the fluid attacks ferrous metal parts. Most hydraulic fluids contain rust inhibitors to protect against system rusting. The tests used to measure this capability are ASTM D 665 A and B. To protect against chemical corrosion, other additives must be considered. The additives must also exhibit good stability in the presence of water (hydrolytic stability) to prevent break down and acidic attack on system metals. The test paper should be used by the date on the packaging. For best results:

- Start with clean, dry hands and utensils.
- Run test in a well-lit area, natural light if possible.
- Collect a small sample of about 20mL (1 oz) of the fluid you want to test and add it to the provided sample bottle with 20mL of water. If coolant, sample from the radiator or petcock. DO NOT collect from the coolant recovery or overflow system. Room temperature is preferred.
- Shake well and let set.
- Dip one test strip into the sample vial for 30 seconds with a gentle back and forth motion.
- Remove the test strip and shake once briskly to remove the excess fluid.
- Wait two minutes and then compare the color to the color chart. Complete color matching within 30 seconds.
- For best color matching fold the white plastic handle of the test strip under the aperture so that it provides a white viewing background.
- All readings should be recorded on the vehicle or device maintenance record for future reference.



Please Note: Your computer monitor or printer may not correctly render the colors in the above color chart. For the most accurate results, please consult the color chart that accompanies the test strips.



SAFETY WARNING: REMOVAL OF RADIATOR CAP IS DANGEROUS

Radiators are under pressure. Hot coolant under pressure can cause severe burns. Do not remove the radiator cap on a hot engine. Wait until the temperature is below 50° Celsius (120° Fahrenheit) before removing the cap. Failure to wait may result in personal injury from hot coolant spray or steam. Remove cap slowly to relieve all pressure.

**Dispose of your used test strip with normal paper waste.
Dispose of your used antifreeze coolant in accordance with local regulations.**