

Fluid Rx™ *Instant Lubricant Diagnostics*

A Performance Comparison of Antifreeze/Coolant Testing & Diagnostics:

The analysis of coolants has been complicated with the changes that have developed over time from conventional coolants to Organic Acid (OAT), Hybrid Organic Acids (HOAT), Nitrite Organic Acids (NOAT), and Modified Organic Acids (MOAT). Utilizing these organic acids in their formulas has enabled companies to claim that their products are extended life (ELC), or Long Life Coolants and has challenged the testing and diagnostics process.

In addition, for marketing purposes various colors have been added to differentiate the coolants from one-another. They range in color from conventional green and yellow, to exotic gold, blue, red, pink, etc.

The ACUSTRIP test strips have been formulated to adjust for colors to make it easier for the service provider. Now the service technician isn't required to know what type of coolant is in the vehicle or whether it is a specific type or a mixture.

The ACUSTRIP 1550 has been designed to accommodate the impact of the red dye on the color development of the freeze point test pad and the process of combining RA and pH to evaluate the coolant has alleviated guessing which type of coolant is being evaluated. This enables a field test of a mixture of EG/PG and water to be fairly evaluated no matter what color it is. Our color adjustment is patented and is considered a trade secret. This has not been accomplished by the competitive products.

The use of RA is a recognized marker for a condemnation level of conventional coolants but is not accepted as a marker for ELC/Long Life. ELC/Long life Coolants operate at the full range of RA. There are also low RA and medium RA coolants.

The RA level is used in the ACUSTRIP coolant to pass conventional coolants, and to defer to the accepted pH evaluation of coolants for condemnation. Long life coolants lower than 6.5 and higher than 11 are considered not acceptable and the acceptable range is between 6.5 and 10.

The easier to use and more sophisticated ACUSTRIP method ensures less false positives, and less false negatives on all coolants. The competitions method is not recognized as an accurate test for ELC/Long Life.

Ron McElroy & Ron Schornstein: Fluid Rx, Inc.

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35 Lincoln Gardens • Lake Hiawatha • NJ 07034
East Coast: Ron Schornstein • 973.334.4953 • rons@fluidrx.biz
West Coast: Ron McElroy • 619.284.7608 • ronm@fluidrx.biz