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TECHNICAL BULLETIN #95

PERFORMING ACID TESTS ON OIL CONTAINING AR-GLO®

The tint of AR-GLO UV-fluorescent additives may cause some confusion when performing acid tests on refrigeration oil. Users of single-phase acid tests may mistake the color change caused by AR-GLO as a sign of acid contamination.

To prevent this, Spectronics Corporation recommends using a split-phase acid test to perform oil acidity evaluations. With a split-phase test, there will be a phase separation as oil (containing AR-GLO) rises to the top of the mixture and an aqueous layer (without AR-GLO) forms at the bottom. *If the aqueous layer turns pink to clear, the oil is contaminated.* If this layer remains purple, the oil is clean. The AR-GLO does *not* color the aqueous layer.

Following is a list of companies that manufacture split-phase acid test kits:

1. Nu-Calgon Wholesaler, Inc.
   Phase 3 Refrigeration Oil Test Kit
   Tel: 1-800-554-5499
   www.nucalgon.com

2. Ritchie Engineering Company, Inc.
   Acid Tester
   Tel: 1-952-943-1333
   www.yellowjacket.com

3. Rector Seal
   Acid-Detector
   Tel: 1-800-231-3345
   www.rectorseal.com

4. Mainstream Engineering Corporation
   Quick Check 5-Second Refrigerant Acid Test
   Tel: 1-321-631-3550
   www.mainstream–engr.com

If you have any questions concerning Spectroline® UV-fluorescent leak detection, please contact the Customer Service Department of Spectronics Corporation at 1-800-274-8888.

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