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June 20, 2014

Mr. Robert Davis
Trans Bio Energy Company, LLC

We have completed the chemical compatibility evaluation of your refrigerant additive MaxR100MO with R-22 and 3GS mineral oil and additives #MaxR100POE and #MaxR100LOW TEMP with R-134a and a mixture of 75% PAG/25% Mineral Oil per ANSI/ASHRAE 97 Issue: 2007/06/27 Sealed Glass Tube Method to Test the Chemical Stability of Material for Use within Refrigerant Systems. Unfortunately, this standard does not contain pass or fail criteria. However your products did perform very well. In fact, we did observe a reduction in TAN compared to the control samples of the R-22/3GS combination with your additive #MaxR100MO.

The ASHRAE 97 test used to evaluate these products is referenced in Section 7 of SAE J2670 Issue: 2011/02/01 Stability and Compatibility Criteria for Additive and Flushing Materials Intended for Aftermarket Use in R-134a (HFC-134A) and R-1234yf (HF0-1234yf) Vehicle Air-Conditioning Systems, which does set pass/fail criteria to determine chemical compatibility. Using the "Rank Order Analysis" criteria set forth in this standard, these additives met the acceptance criteria and therefore indicate chemical compatibility for refrigerant applications.

Best Regards,

John, Senediak

Senior Chemist,

