



REPORT
INTERTEK ETL SEMKO DIVISION
1717 Arlingate Lane COLUMBUS, OHIO 43228

ORDER NO.: 03312009

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DATE: April 10, 2008

REPORT NO. 03312009

RENDERED TO:

Refrigeration Technologies
2572-C FENDER AVE
Fullerton, CA 92831

STANDARD AND TEST USED: ASHRAE 97, Sealed Glass Tube Method to Test the Chemical Stability of Material for use within Refrigeration System.

AUTHORIZATION: The test was authorized by Mr. John Pastorello, Purchase Order No. 2083.

SPECIMEN DESCRIPTION: The test was performed on specimens identified by the client as Sample ***.

CONCLUSION: This report describes the results of Refrigeration Technologies sample fluid. The test evaluations were conducted at Intertek Testing Services located in Columbus, OH on 03/31/08. See Appendix A for reported data.

Test Performed by:

Report Approved by:

Aaron Payne
Chemist
Analytical Laboratory

John Senediak
Lab Manager
Analytical Laboratory

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Appendix A**Results, Physical Properties**

Tube ID	Refrigerant	Lubricant	Additive	Total Acid Number (mg KOH/g)	Dissolved Iron (ppm)	Dissolved Aluminum (ppm)	Dissolved Copper (ppm)	Refrigerant Decomposition (% by weight)
Nylog Blue PVE	410a	PVE	Nylog Blue	0.01	<1	<1	<1	0.02
Nylog Blue POE	410a	POE	Nylog Blue	0.01	<1	<1	<1	0.01

Results, Visual Inspections

Tube ID	Refrigerant	Lubricant	Additive	Visual Inspection Liquid phase	Visual Inspection Copper	Visual Inspection Aluminum	Visual Inspection Steel
Nylog Blue PVE	410a	PVE	Nylog Blue	1a	0	0	0
Nylog Blue POE	410a	POE	Nylog Blue	1a	0	0	0

Liquid Phase Visual Inspection Legend

*0=No Change *1a= Slight darkening *1b= Cloudy 1a *2a= Moderate darkening *2b= Cloudy 2a
 *3a= Extreme darkening *3b= Cloudy 3a *4a= Opaque

Steel Coupon Visual Inspection Legend

*0= No Change *1=Slight darkening *2= Slight discoloration *3= Moderate copper plating *4 Heaving copper plating

Copper and Aluminum Visual Inspection Legend

*0= No change *1= Slight tarnish *2= Slight discoloration *3= Moderate corrosion *4=Heavy corrosion

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