



"Maintaining Oil and Equipment Through Science"

Coolant Analysis Report

North America: +1-877-971-7799

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: [REDACTED] Company Name: LATCO RV SERVICES Contact: ERIC LATTA Address: 904 EVANS ST GARDEN CITY, KS 67846 US Phone Number: [REDACTED]		Component ID: KNUTH AQUA HOT HYD HEATING Secondary ID: Component Type: COOLANT - CONVENTIONAL EG Manufacturer: Information Requested Model: Information Requested Application: TRANSPORTATION System Capacity:		Tracking Number: [REDACTED] Lab Number: [REDACTED] Lab Location: Houston Data Analyst: RAM Sampled: 29-Oct-2017 Received: 01-Nov-2017 Resolved: 02-Nov-2017 Completed: 08-Nov-2017	
		Miscellaneous Information		Product Information	
				Product Manufacturer: Information Requested Product Name: Information Requested	
Comments	Suggest correcting the source of hardness; Suggest flushing this system with water that meets specifications and install new recommended coolant; Copper is at a SEVERE level, copper can attack the other metals in the cooling system; Copper sources may be corrosion or erosion of the radiator (tubes, top tank, side-plates), heat exchanger, oil cooler, charge air cooler, thermostat, and/or residual from a previous issue. Total Hardness is at a SEVERE level; Hardness may be due to source water that does not meet specifications, a water softener not functioning properly, or outside contaminants entering the system. This sample has a cloudy appearance. Sample clarity and/or color may indicate fine particulate is present due to emulsified oil, glycol degradation, slight inhibitor drop out, and/or hoses degrading. Please provide missing COOLANT MANUFACTURER and PRODUCT NAME; Resample in 60 days;				

Sample #	Sample Information								Corrosion Metals (ppm)							Contaminants (ppm)		Corrosion Inhibitors (ppm)				Carrier Salts (ppm/10)	
	Date Sampled	Date Received	Coolant Time	Unit Time	Coolant Change	SCA Added	Filter Change	Iron	Aluminum	Copper	Lead	Tin	Silver	Zinc	Titanium	Calcium	Magnesium	Silicon	Phosphates	Boron	Molybdenum	Sodium	Potassium
1	29-Oct-2017	01-Nov-2017	0	0	Unk	0	Unk	2	0	18	0	0	0	1		58	8	14	3888	1	0	3	515

Visual Testing							
#	Foam	Color	Oil	Fuel	Magnetic Precipitate	Non-Magnetic Precipitation	Odor
1	None	Cloudy Dark Red	None	None	None	None	None

Basic Testing									
#	Freeze Point (°F)	Boil Point (°F)	Antifreeze Percent (%)	pH Waters (pH)	Total Hardness (ppm)	Nitrite (ppm)	Specific Conductance (µS)	SCA Number	Carboxylic Acid (Pass / Fail)
1	-21	222	45	8.7	173	<5 - Strip	2880	0.0	

Additional Testing	
Sample #	Total Dissolved Solids
	ppm
1	1528

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing fluid or component information limits the evaluation. No warranty is expressed or implied.