



Advance
Fluid Management System

Coolant Analysis Report

North America: +1-866-341-4382

0	1	2	3	4
NORMAL		ABNORMAL	CRITICAL	

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: MTU001-0251-0001 Company Name: THE DIESEL WORKSHOP Contact: SPENCER MORRISON Address: 2001 SW 20TH ST. FORT LAUDERALE, FL US Phone Number: 954-233-0717		Component ID: 536106032 STBD COOL Secondary ID: RIGHT Component Type: COOLANT - CONVENTIONAL EG USED Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN System Capacity:		Tracking Number: 23136U77296 Lab Number: H-017680 Lab Location: Houston Data Analyst: JAS Sampled: 09-Jan-2025 Received: 17-Jan-2025 Completed: 22-Jan-2025	
		Miscellaneous Information		Product Information	
				Product Manufacturer: MTU Product Name: POWER COOL 3149	
Comments	<p>Does your equipment OEM specify using a 50% glycol to 50% water ratio? If so, Coolant change is suggested if not done at sampling time. Consult Owner's Manual or engine OEM for correct coolant type when installing new coolant. The glycol level is too low for freeze point and boil point protection. This may be due to improper top off or dilution. The nitrite level is low which may be due to precipitation from over treatment with inhibitor, an air leak, over extending service, or mixing coolant formulations. Iron corrosion is at a MODERATE level; Iron sources may be corrosion from cylinder liners, engine block, cylinder head, and/or residual from a previous issue. This sample has an opaque 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 ENGINE MANUFACTURER and MODEL;</p>				

Sample Information								Corrosion Metals (ppm)							Contaminants (ppm)		Corrosion Inhibitors (ppm)			Carrier Salts (ppm/10)			
Sample #	Date Sampled	Date Received	Coolant Time (h)	Unit Time (h)	Coolant Change	SCA Added (gal)	Filter Change	Iron	Aluminum	Copper	Lead	Tin	Silver	Zinc	Titanium	Calcium	Magnesium	Silicon	Phosphates	Boron	Molybdenum	Sodium	Potassium
1	09-Jan-2025	17-Jan-2025	0	3029	No	0	No	25	0	1	0	0	0	0		1	1	155	287	14	21	54	506

Visual Testing							
#	Foam	Color	Oil	Fuel	Magnetic Precipitate	Non-Magnetic Precipitation	Odor
1	None	Opaque Green	None	None	None	Moderate Sludge	Other

Basic Testing									
#	Freeze Point (°F)	Boil Point (°F)	Antifreeze Percent (%)	pH Waters (pH)	Total Hardness (ppm)	Nitrite (ppm)	Specific Conductance (µS / cm)	SCA Number (units / gal)	Carboxylic Acid (Pass / Fail)
1	24	213	11	8.0	6	5 - Strip	9543	0.0	

Additional Testing	
Sample #	Total Dissolved Solids (ppm)
1	5058

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.