

A SMALL SAMPLE REVEALS A LOT ABOUT YOUR EQUIPMENT HEALTH



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Almost everyone recognizes the need for regular oil and filter changes, but many people overlook cooling system maintenance and monitoring. Coolant is an ever important part of the cooling system within an engine. With continuous improvements in engine designs, the cooling systems have to work harder than ever to protect systems against failure. A major cause of these failures can be linked to incorrectly functioning cooling systems.

The cooling system is critical to the efficient performance and long life of your equipment. Monitoring the coolant's additive health is very important and ensures correct cooling system operation.



Around 50% of all engine downtime can be attributed to problems associated with the cooling system.

The most effective and economical way to monitor your cooling system is coolant sampling. Our fully managed testing and analysis service offers a simple, low-cost way to evaluate the chemistry of your coolant. We can check for any contaminants and monitor the condition of your cooling system.

Engine coolants must protect engines from severe temperature and corrosion, be compatible with different engine materials, and lubricate engine cooling pumps. If engine coolant quality prematurely degrades and deteriorates, severe damage to the engine and coolant systems can result. Quality testing helps to ensure the coolants meet the demanding physical environment of today's engines.

With so many different kinds of coolant available, it can be difficult to choose the right one, and even harder to know if you are getting the performance you're paying for. Ohio Machinery Co. helps you get the information you need with two types of coolant analysis.

Level 1 Coolant

Basic coolant check is recommended every 500 to 1000 hours. The Level 1 coolant test list consists of Glycol, pH level, conductivity, coolant additive concentrations, boiling point and freeze point.

Level 2 Coolant

Our Level 2 service is all about performance. More than just the critical information you need to keep your cooling system functioning properly, our Level 2 service will explain the environmental characteristics of your coolant and help you understand how to get the most from it. The Level 2 service will provide a thorough analysis and interpretation of your coolant and help take your coolant maintenance program to the next level. This test includes all the tests from the Level 1 coolant test plus identifies metal corrosion, built-up impurities, and other organic acids.

INCLUDED SERVICES

Pricing effective January 2025 and is subject to change.

COOLING TESTING SERVICES	LEVEL 1 COOLANT	LEVEL 2 COOLANT
Glycol Level	X	X
pH	X	X
Conductivity	X	X
Nitrite Level	X	X
Odor	X	X
Appearance	X	X
Precipitate	X	X
Foam	X	X
Freeze / Boil Point	X	X
Metal corrosion (Wear Metals)		X
Total Hardness		X
Glycolate (Glycol Breakdown)		X
Tolytriazole		X
Organic Acid Levels		X
Corrosion Inhibitor Levels		X
PART NUMBER & PRICE PER SAMPLE	Coolant Sample*	Coolant Sample 2*
	\$36.76 per sample	\$53.92 per sample
	Coolant Sample S**	
	\$22.50 per sample	

*With postage paid mailer.

**Level 1 Coolant without mailer - Lab Drop-Off or Shuttle ONLY.

Contact our **Fluid Analysis Team** today to learn more.

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OHIO MACHINERY CO.

