[S·O·S℠ SERVICES]

COOLANT ANALYSIS

What's in your coolant system?

Corroded cylinder liner, resulting from neglected cooling system

Some equipment users may be overlooking their cooling system maintenance or even recycling coolant to reduce disposal costs. But today's higher engine operating temperatures, combined with smaller cooling systems, are placing ever-higher demands on your coolant and equipment.

Problems that originate in your cooling system often turn into major issues throughout your engine, transmission, or hydraulic system. In fact, **about 50% of all engine downtime can be attributed to cooling system problems**.

With so much relying on your cooling systems, trust our experts. Carter has two levels of coolant testing that can help you spot small problems before they become major failures.

LEVEL 1: BASIC COOLANT MAINTENANCE CHECK

Recommended every 500 to 1,000 hours. Tests glycol, pH level, conductivity, coolant additive concentrations, boiling point, freeze point, and wear metal analysis, which identifies metal corrosion.

LEVEL 2: COMPREHENSIVE COOLANT SYSTEM ANALYSIS

Recommended every 2,000 hours, or at least once a year. Tests for all items in Level 1, plus built-up impurities and other organic acids.

Tests and Interpretations Included

COOLANT TESTS	LEVEL 1	LEVEL 2
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	x
Total Hardness		x
Glycolate (Glycol Breakdown)		x
Tolytriazole		x
Organic Acid Levels		x
Corrosion Inhibitator Levels		x

Contact the Fluid Analysis Team today.

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Carter CAT LET'S GET TO WORK.