



# Southwest Spectro-Chem Labs

## COOLANT ANALYSIS

Cooling system troubles have the potential to reduce the life of equipment as well as it's components. Our coolant analysis can assist in your decision making, whether it's continued use of the coolant or drain , flush and refill.



### BENEFITS/FEATURES

- Can identify issues before it damages other systems or components
- Checks for additive depletion (compromises metal protection)
- Checks for contaminants that can cause acid or scale formation
- Checks for proper water/glycol ratio
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- Overall Status of Sample is rated on a 0-3 scale for easy interpretation
- Basic Package includes metals, glycol %, freeze point, pH & conductivity, color & appearance.
- Reserve Alkalinity, TTA, Chloride, Nitrite, Sulfate and Total Hardness can be added, if required.

\* 4 oz of sample is all that is needed for routine analysis.

\* Turnaround time is 3-4 business days after receipt.



**Southwest Spectro-Chem Labs**  
1009 Louisiana St. South Houston, TX 77587  
(P)713.944.3694 (F)713.944.9881  
www.weanalyzeoil.com

Overall Status of Sample:  
**ABNORMAL 2**

**COOLANT ANALYSIS REPORT**

SAMPLE INFORMATION					
CUSTOMER#:	123456	LAB SAMPLE:	Z0001		
CUSTOMER:	SWSC LABS	COOLANT:	EMERALD HTF P200		
LOCATION:	SOUTH HOUSTON, TX	HRS ON OIL:	5556		
UNIT:	T-0001	SERIAL NO:	N/A		
DESCRIPTION:	TANK	SAMPLE DATE:	09/17/24		
EQUIP NO:	0001	REPORT DATE:	10/07/24		

SPECTROCHEMICAL ANALYSIS IN PARTS PER MILLION					
CORROSION METALS				CONTAMINANT METALS	
Iron	Aluminum	Copper	Zinc	Calcium	Magnesium
0	5	0	0	23	4
<5	<5	<5	2-10	<10	<10
Recommended Levels					
ADDITIVE METALS (See Manufacturer's Recommended Levels)					
Boron	Phosphorous	Silicon	Potassium	Molybdenum	
8	1	14	1	5	

PHYSICAL PROPERTIES			
Color	Visual Appearance	pH	Conduct. umhos/cm
YELLOW	CLEAR	8.03	3680
N/A	Clear	8.0-11.0 (conventional)	< 5000 umhos/cm
Recommended Levels			
Glycol Content		Water Content	Freeze Point
%	%	%	°F
21.9	78.1		17
45-60%		N/A	N/A
Recommended Levels			

**COMMENTS**  
Particles present.  
Sampling and maintenance of fluid should be shortened to half intervals.

Southwest Spectro-Chem Labs and its affiliates make no warranty for proper operation of any equipment associated with this report.

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W www.weanalyzeoil.com  
E info@swsclabs.com