

# **COOLANT REPORT**

# Area KANSAS/44/EG - EXCAVATOR 20.146L [KANSAS^44^EG - EXCAVATOR]

Radiator Coolant Fluid CATERPILLAR ELC (--- GAL)

### DIAGNOSIS

## Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

# Wear

All metal levels are normal indicating no corrosion in the cooling system.

#### Contamination

There is no indication of any contamination in the coolant.

## Fluid Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



Sample Rating Trend



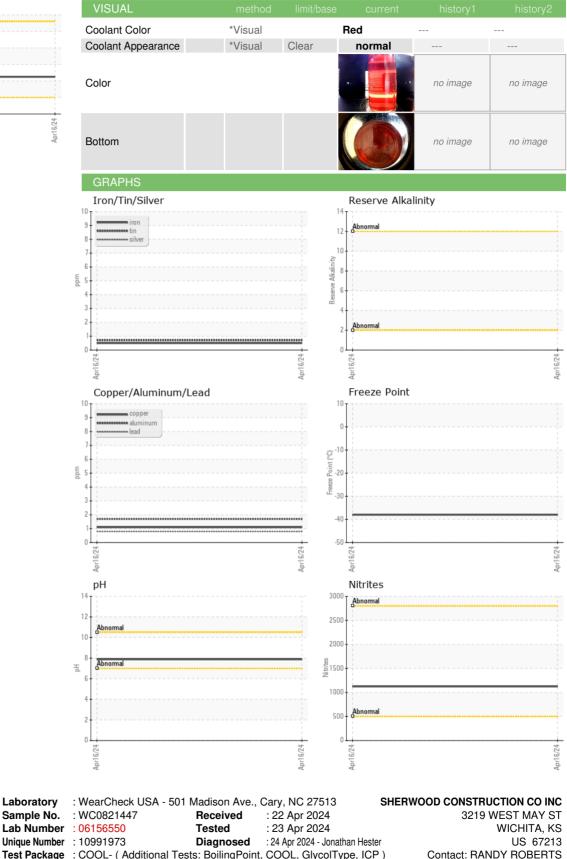
NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0821447		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		8		
Oil Age	hrs	Client Info		8		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method		NEG		
PHYSICAL TEST F	ESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR				
Specific Gravity		*ASTM D1298		1.069		
рН	Scale 0-14	ASTM D1287		7.88		
Nitrites	ppm	AP-053:2009		1124		
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		51.7		
Freezing Point	°F	ASTM D3321		-38		
Total Dissolved Solids				309.5		
Carboxylate				fail		
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	4		
Phosphorus	ppm	ASTM D6130	0	8		
Boron	ppm	ASTM D6130	0	0		
Molybdenum	ppm	ASTM D6130	950	667		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130		<1		
Aluminum	ppm	ASTM D6130		2		
Copper	ppm	ASTM D6130		1		
Lead	ppm	ASTM D6130		<1		
Tin	ppm	ASTM D6130		<1		
Zinc	ppm	ASTM D6130		2		
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		22		
			11 11 11	current	history1	history2
CARRIER SALTS		method	limit/base	Current	motory	motory
CARRIER SALTS Sodium	ppm	method ASTM D6130	limit/base	4132		
			limit/base			
Sodium	ppm ppm	ASTM D6130	limit/base	4132		
Sodium Potassium SCALE POTENTI	ppm ppm AL	ASTM D6130 ASTM D6130 method		4132 43 current		
Sodium Potassium	ppm ppm	ASTM D6130 ASTM D6130		4132 43	  history1	  history2



# **COOLANT REPORT**





 Centificate L2367
 Test Package
 : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)
 Cont

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 randy

 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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