COOLANT REPORT

Sample Rating Trend



Area **KANSAS/44/EG - LOADER** Machine Id **46.107L [KANSAS^44^EG - LOADER]** Component Radiator Coolant





NORMAL

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.

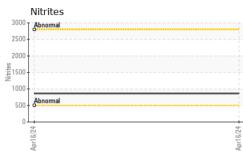
Fluid Condition

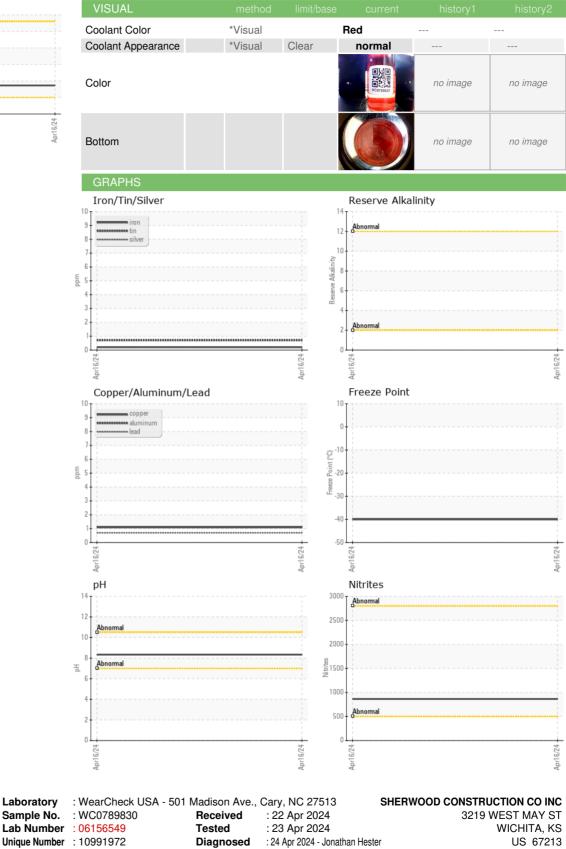
Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

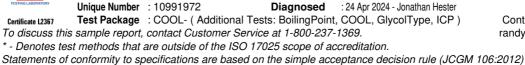
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0789830		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		15		
Oil Age	hrs	Client Info		15		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR				
Specific Gravity		*ASTM D1298		1.070		
рН	Scale 0-14	ASTM D1287		8.34		
Nitrites	ppm	AP-053:2009		864		
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		52.0		
Freezing Point	°F	ASTM D3321		-40		
Total Dissolved Solids				312.5		
Carboxylate				fail		
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	4		
Phosphorus	ppm	ASTM D6130	0	100		
Boron	ppm	ASTM D6130	0	0		
Molybdenum	ppm	ASTM D6130	950	723		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130		<1		
Aluminum	ppm	ASTM D6130		1		
Copper	ppm	ASTM D6130		1		
Lead	ppm	ASTM D6130		<1		
Tin	ppm	ASTM D6130		<1		
Zinc	ppm	ASTM D6130		1		
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		2		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		4250		
Potassium	ppm	ASTM D6130		339		
SCALE POTENTI		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		1		
Magnesium	ppm	ASTM D0130		1		
Magnesium	ppill	AGTIM DOTOU				

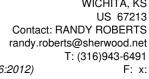


COOLANT REPORT









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