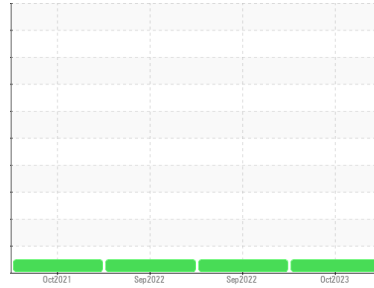




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY
 Machine Id
08.115 [OKLAHOMA^105^EG - TRUCK-ON-HWY-HEAVY DUTY]
 Component
Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0857424	WC0741241	WC0738599
Sample Date	Client Info		23 Oct 2023	26 Sep 2022	12 Sep 2022
Machine Age	hrs	Client Info	7636	7348	7113
Oil Age	hrs	Client Info	7636	7348	7113
Oil Changed		Client Info	N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.070	1.079	1.079
pH	Scale 0-14	ASTM D1287	8.47	8.33	8.35
Nitrites	ppm	AP-053:2009	788	600	336
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	52.5	59.7	59.6
Freezing Point	°F	ASTM D3321	-40	-56	-56
Total Dissolved Solids			371.5	475.0	454.0
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	36	194	206
Phosphorus	ppm	ASTM D6130	0	4	0	4
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	659	1098	1146

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	0	0	0
Aluminum	ppm	ASTM D6130	>10	0	2	3
Copper	ppm	ASTM D6130	>10	<1	3	2
Lead	ppm	ASTM D6130	>10	<1	0	0
Tin	ppm	ASTM D6130	>10	<1	<1	0
Zinc	ppm	ASTM D6130		0	0	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		12	12	39

CARRIER SALTS

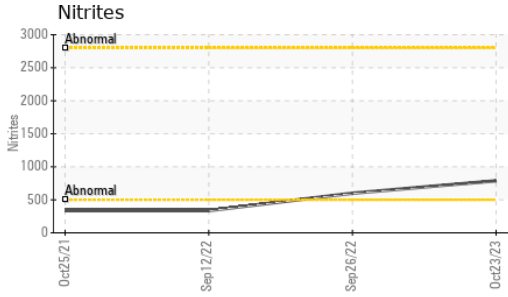
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		4064	4644	2957
Potassium	ppm	ASTM D6130		121	974	398



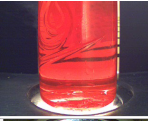

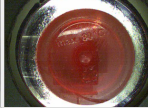

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		2	3	5
Magnesium	ppm	ASTM D6130		<1	1	2

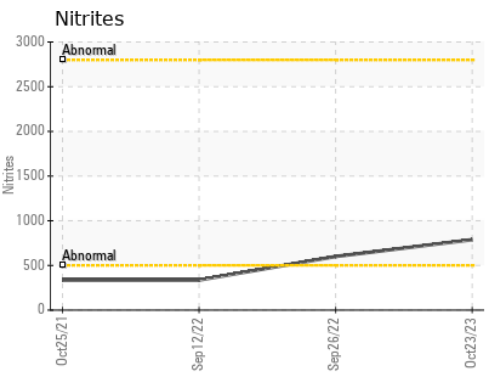
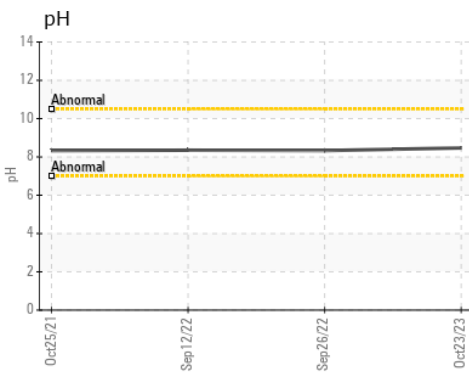
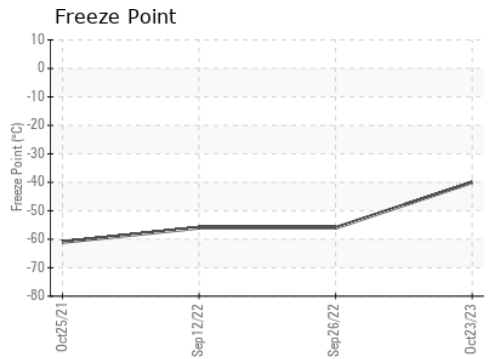
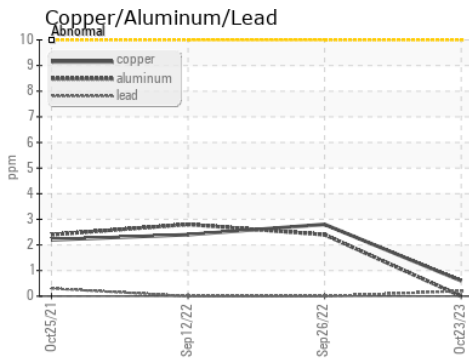
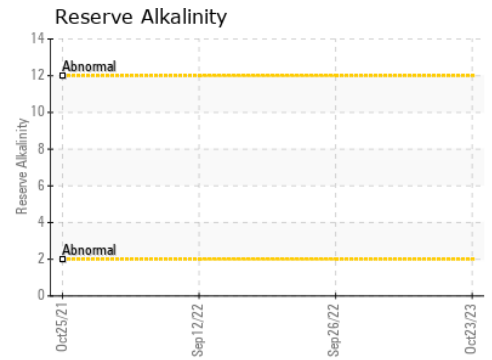
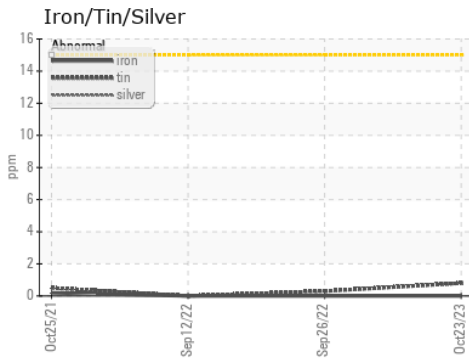


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Red
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0857424 **Received** : 31 Oct 2023
Lab Number : 05994873 **Diagnosed** : 03 Nov 2023
Unique Number : 10723233 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

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