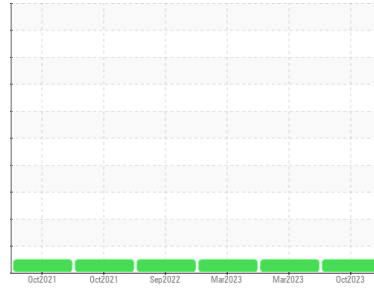




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY
 Machine Id
08.124 [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		WC0857467	WC0800787	WC0778427
Sample Date	Client Info		23 Oct 2023	27 Mar 2023	16 Mar 2023
Machine Age	hrs	Client Info	6569	5283	5283
Oil Age	hrs	Client Info	6569	5283	5283
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		1.077	1.078	1.078
pH	Scale 0-14 ASTM D1287		8.45	8.31	8.24
Nitrites	ppm AP-053:2009		676	372	560
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		57.8	58.9	59.1
Freezing Point	°F ASTM D3321		-52	-54	-56
Total Dissolved Solids			392.0	426.0	431.5
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	50	141	159
Phosphorus	ppm ASTM D6130	0	6	2	5
Boron	ppm ASTM D6130	0	0	0	0
Molybdenum	ppm ASTM D6130	950	717	1200	1200

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		15	27	48

CARRIER SALTS

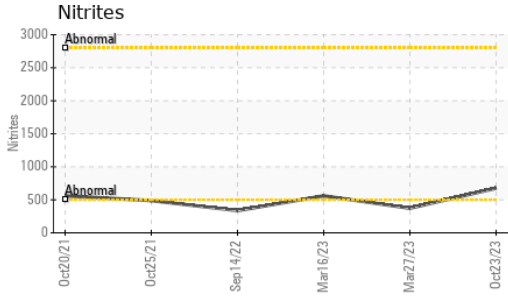
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		4427	6723	6534
Potassium	ppm ASTM D6130		254	926	1023

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		1	5	24
Magnesium	ppm ASTM D6130		<1	2	5

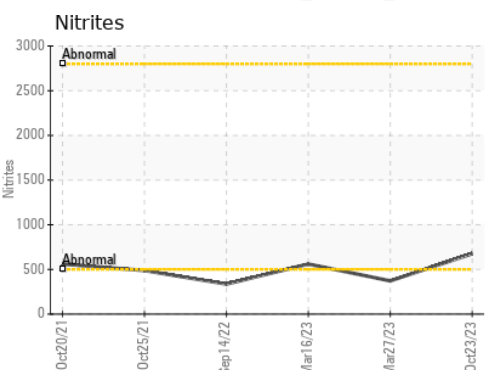
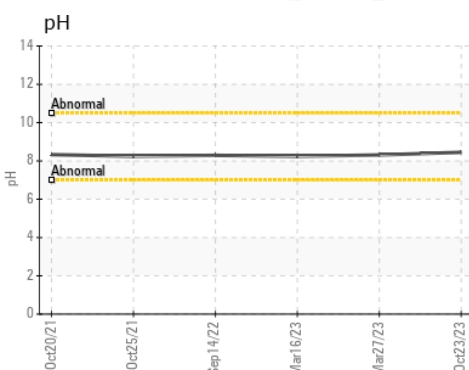
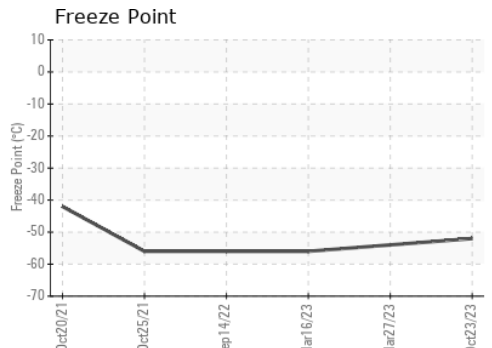
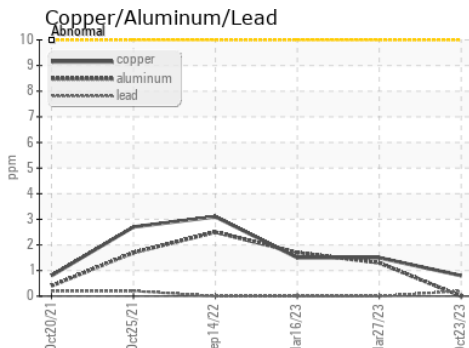
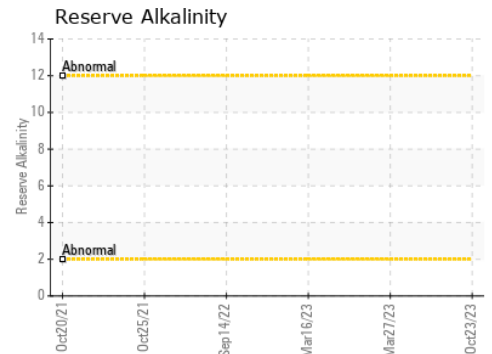
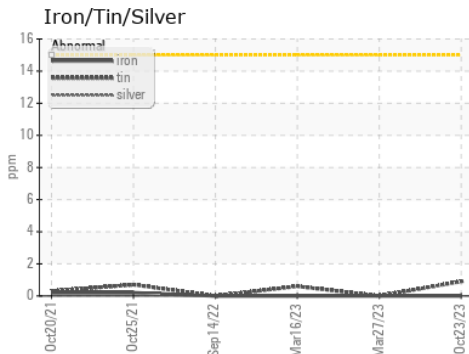


COOLANT REPORT



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. : WC0857467 **Received** : 31 Oct 2023
Lab Number : 05994851 **Diagnosed** : 03 Nov 2023
Unique Number : 10723211 **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:

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)