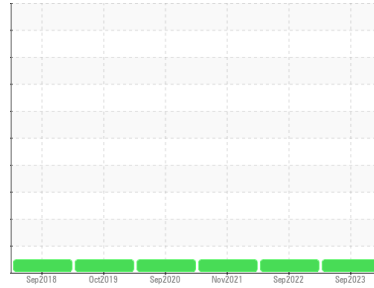




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
OKLAHOMA/102/EG - BACKHOE LOADER
 Machine Id
53.514L [OKLAHOMA^102^EG - BACKHOE LOADER]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0849017	WC0741180	WC0585818
Sample Date	Client Info	12 Sep 2023	21 Sep 2022	23 Nov 2021
Machine Age	hrs	2239	1986	1781
Oil Age	hrs	345	1956	1797
Oil Changed	Client Info	N/A	N/A	Not Changd
Sample Status		NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	1.076	1.077	---
pH	Scale 0-14 ASTM D1287	7.72	7.80	8.34
Nitrites	ppm AP-053:2009	560	748	372
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	56.7	57.9	52
Freezing Point	°F ASTM D3321	-50	-52	-45
Total Dissolved Solids		390.5	382.0	400.5
Carboxylate		fail	pass	pass

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130 0	7	23	53
Phosphorus	ppm ASTM D6130 0	0	11	6
Boron	ppm ASTM D6130 0	0	18	7
Molybdenum	ppm ASTM D6130 950	1018	1141	1055

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	0	0	<1
Aluminum	ppm ASTM D6130 >10	<1	2	1
Copper	ppm ASTM D6130 >10	2	4	3
Lead	ppm ASTM D6130 >10	<1	<1	0
Tin	ppm ASTM D6130 >10	0	1	0
Zinc	ppm ASTM D6130	<1	2	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	70	12	40

CARRIER SALTS

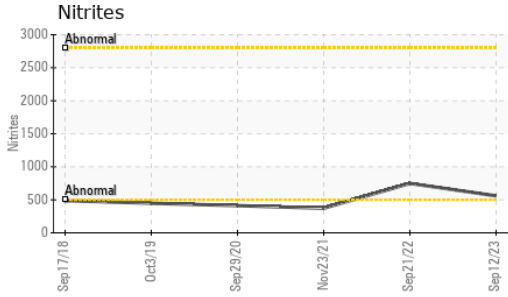
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	6138	5000	2578
Potassium	ppm ASTM D6130	678	826	2444

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	5	8	2
Magnesium	ppm ASTM D6130	6	8	2

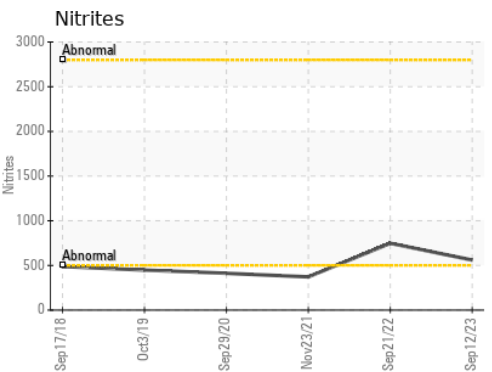
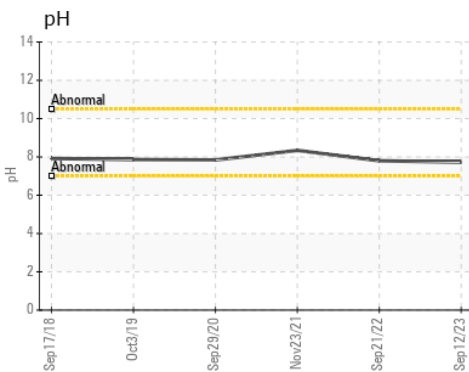
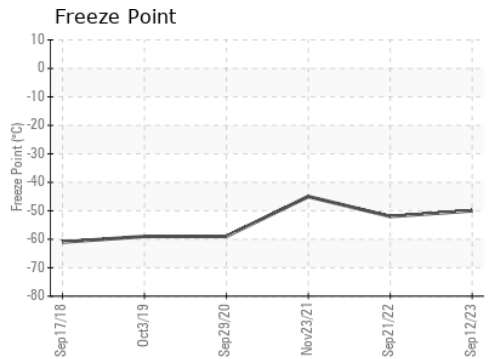
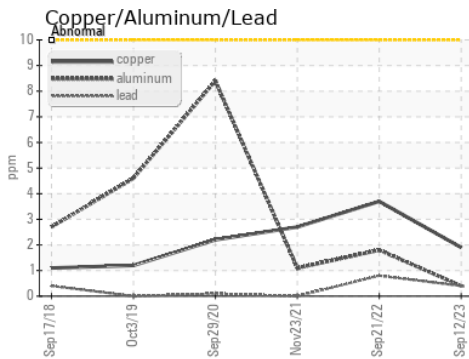
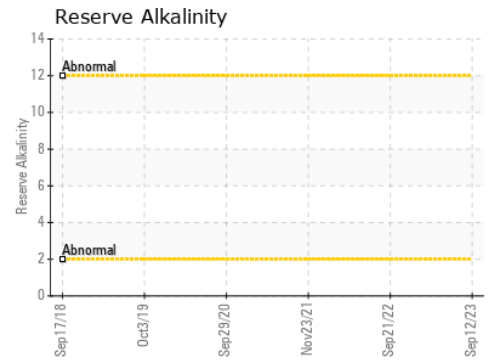
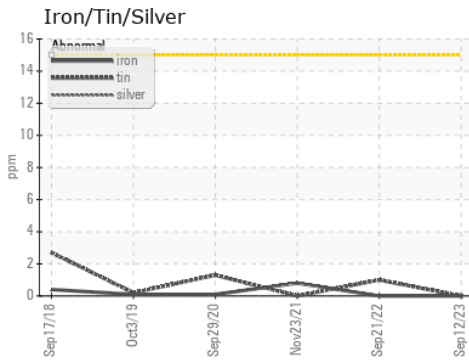


COOLANT REPORT



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. : WC0849017 **Received** : 22 Sep 2023
Lab Number : 05958882 **Diagnosed** : 26 Sep 2023
Unique Number : 10660095 **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)