



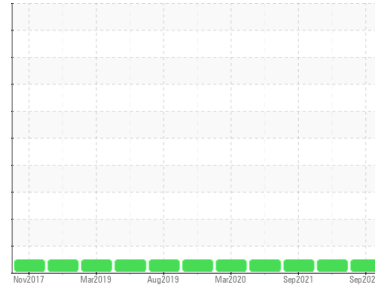
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102/EG - EXCAVATOR
 Machine Id
20.141L [OKLAHOMA^102^EG - EXCAVATOR]
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. (Customer Sample Comment: 9742 hrs)

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. 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	WC0819992	WC0649357	WC0603179
Sample Date	Client Info	18 Sep 2023	13 Sep 2022	20 Sep 2021
Machine Age	hrs	9742	6357	3096
Oil Age	hrs	9742	6357	6148
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	1.069	1.070	---
pH	Scale 0-14 ASTM D1287	7.41	7.42	7.40
Nitrites	ppm AP-053:2009	300	300	372
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	51.3	52.0	52
Freezing Point	°F ASTM D3321	-38	-40	-43
Total Dissolved Solids		374.0	371.0	366.5
Carboxylate		fail	pass	fail

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	24	20	18
Phosphorus	ppm ASTM D6130	0	0	1
Boron	ppm ASTM D6130	0	0	2
Molybdenum	ppm ASTM D6130	1036	879	857

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	0	0	<1
Aluminum	ppm ASTM D6130 >10	3	5	7
Copper	ppm ASTM D6130 >10	<1	3	2
Lead	ppm ASTM D6130 >10	0	0	<1
Tin	ppm ASTM D6130 >10	0	0	<1
Zinc	ppm ASTM D6130	0	21	17

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	8	37	51

CARRIER SALTS

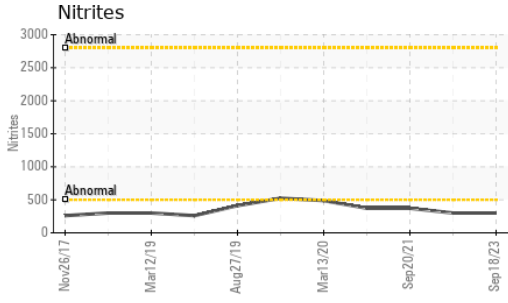
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	5807	3322	3411
Potassium	ppm ASTM D6130	75	185	162

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	2	11	11
Magnesium	ppm ASTM D6130	2	<1	1

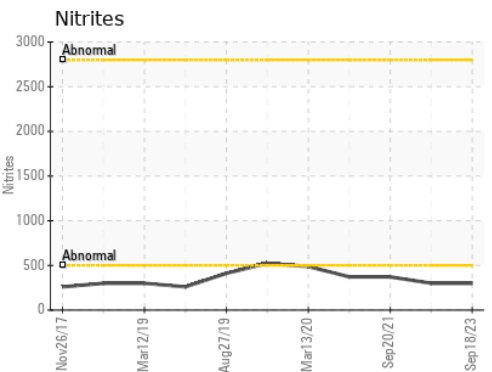
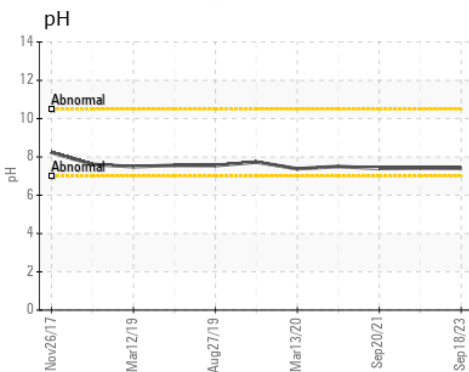
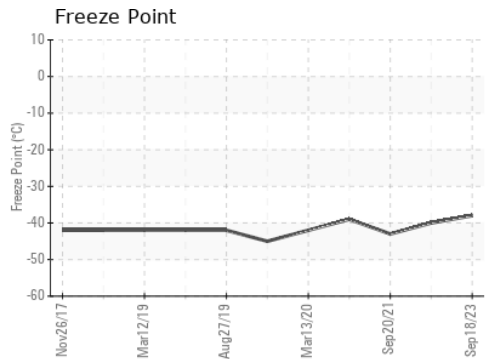
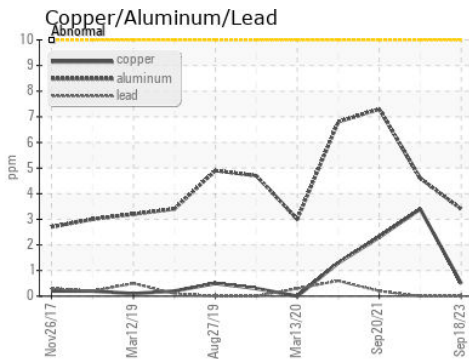
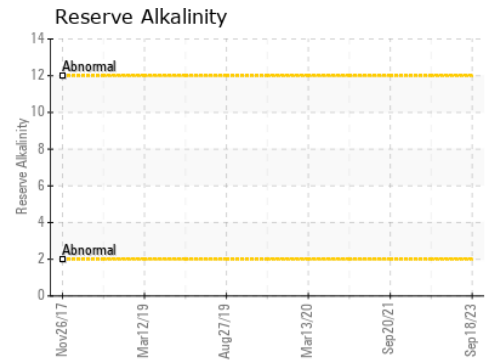
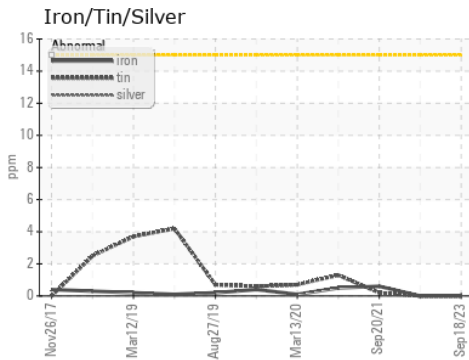


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0819992 **Received** : 25 Sep 2023
Lab Number : 05960295 **Diagnosed** : 28 Sep 2023
Unique Number : 10661508 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP)

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

Certificate L2367
 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)