



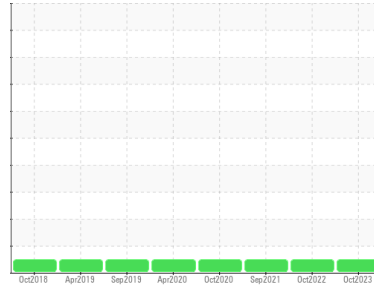
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/44/EG - EXCAVATOR
 Machine Id
20.515L [KANSAS^44^EG - EXCAVATOR]
 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		WC0789785	WC0673598	WC0584695
Sample Date	Client Info		09 Oct 2023	03 Oct 2022	13 Sep 2021
Machine Age	hrs	Client Info	0	6050	3672
Oil Age	hrs	Client Info	0	6050	5573
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.059	1.060	---
pH	Scale 0-14 ASTM D1287		8.14	8.08	8.24
Nitrites	ppm AP-053:2009		488	560	300
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		43.5	44.2	45
Freezing Point	°F ASTM D3321		-19	-21	-25
Total Dissolved Solids			310.5	304.0	317.5
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<1	19	23
Phosphorus	ppm ASTM D6130	0	5	0	0
Boron	ppm ASTM D6130	0	0	1	0
Molybdenum	ppm ASTM D6130	950	464	916	959

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		3	0	13

CARRIER SALTS

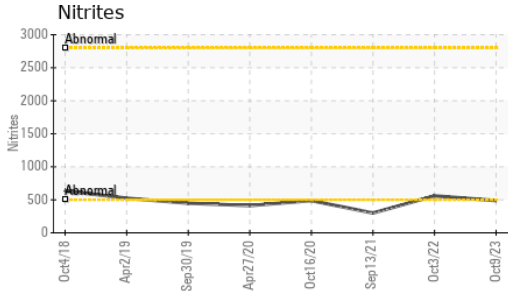
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		3454	4595	3517
Potassium	ppm ASTM D6130		41	172	70







SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		2	6	36
Magnesium	ppm ASTM D6130		<1	2	2

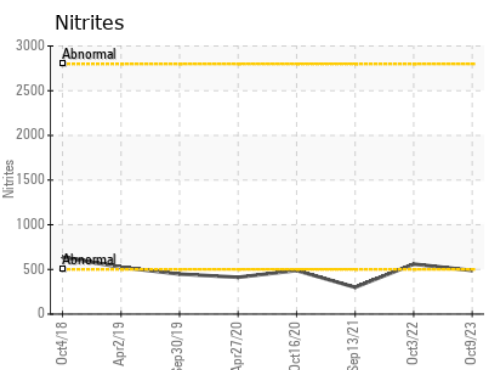
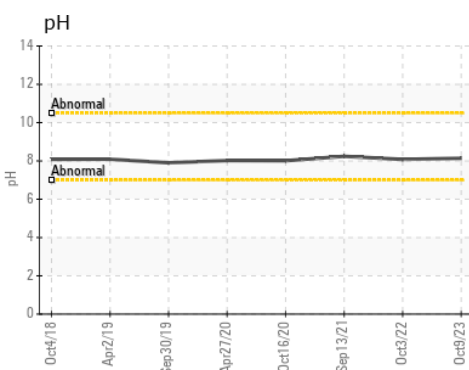
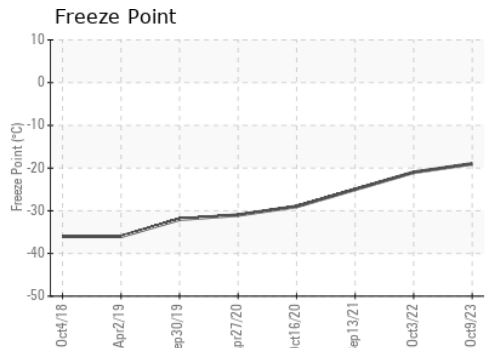
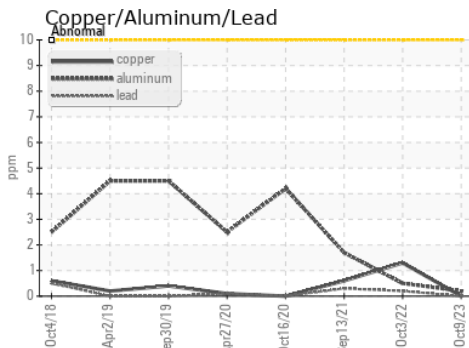
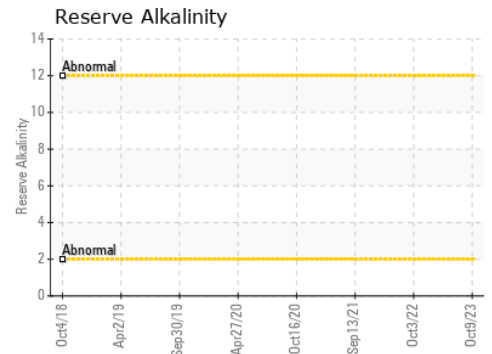
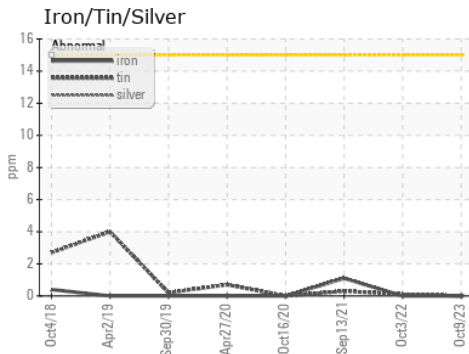


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0789785 **Received** : 13 Oct 2023
Lab Number : 05978591 **Diagnosed** : 18 Oct 2023
Unique Number : 10695886 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

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)