



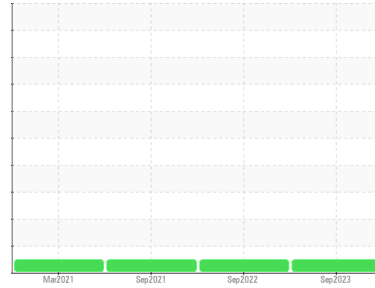
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102/EG - EXCAVATOR
 Machine Id
20.77L [OKLAHOMA^102^EG - EXCAVATOR]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (14 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		WC0849003	WC0741090	WC0590314
Sample Date	Client Info		15 Sep 2023	14 Sep 2022	03 Sep 2021
Machine Age	hrs	Client Info	5164	3510	1926
Oil Age	hrs	Client Info	1000	1000	500
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.071	1.068	---
pH	Scale 0-14	ASTM D1287	7.21	7.23	7.31
Nitrites	ppm	AP-053:2009	224	224	224
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	53.3	50.3	52
Freezing Point	°F	ASTM D3321	-43	-35	-42
Total Dissolved Solids			400.5	409.0	393.5
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	56	62	55
Phosphorus	ppm	ASTM D6130	0	0	2	12
Boron	ppm	ASTM D6130	0	<1	0	0
Molybdenum	ppm	ASTM D6130	950	1200	1200	1200

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	1	<1	1
Aluminum	ppm	ASTM D6130	>10	5	3	1
Copper	ppm	ASTM D6130	>10	7	5	2
Lead	ppm	ASTM D6130	>10	0	0	<1
Tin	ppm	ASTM D6130	>10	0	0	<1
Zinc	ppm	ASTM D6130		21	11	2

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		23	38	30

CARRIER SALTS

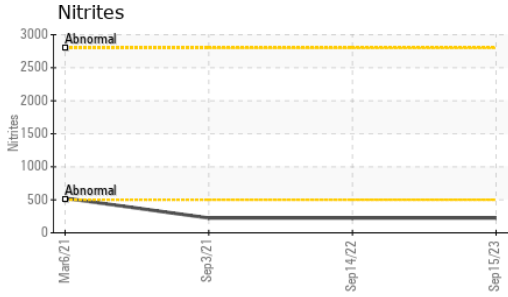
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		6063	2898	3264
Potassium	ppm	ASTM D6130		547	314	307

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		3	2	2
Magnesium	ppm	ASTM D6130		4	3	<1

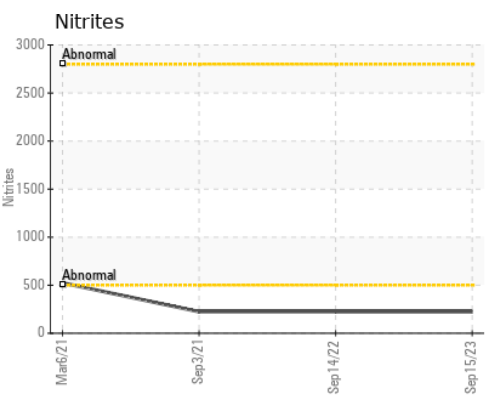
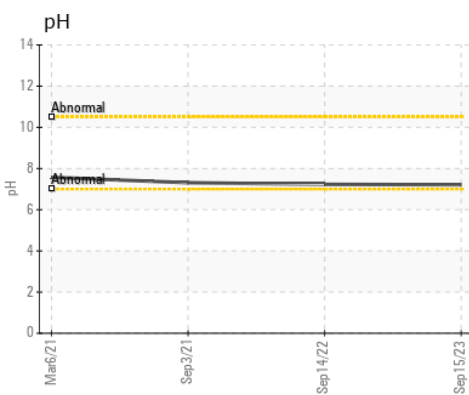
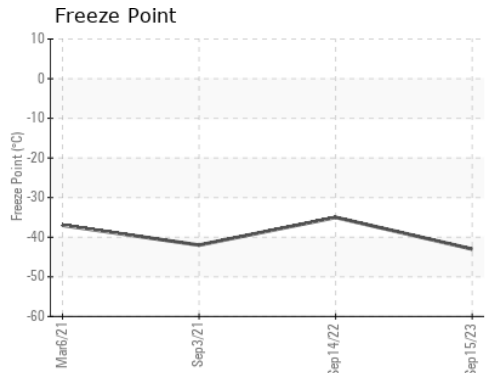
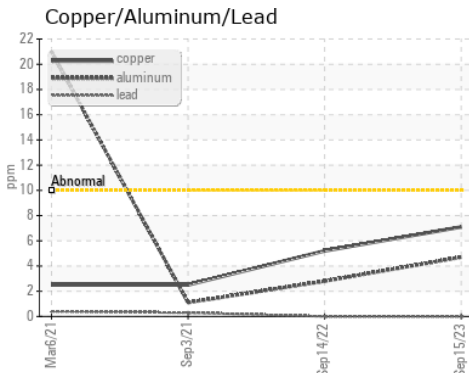
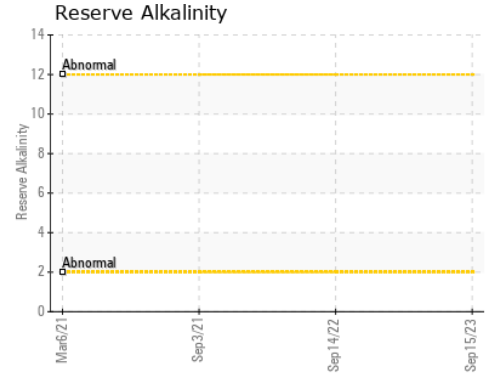
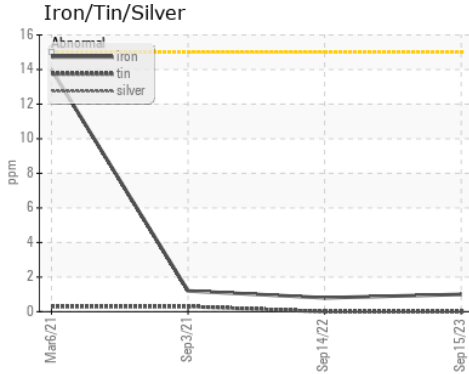


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Red
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					no image
Bottom					no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0849003 **Received** : 25 Sep 2023
Lab Number : 05960269 **Diagnosed** : 27 Sep 2023
Unique Number : 10661482 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 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)