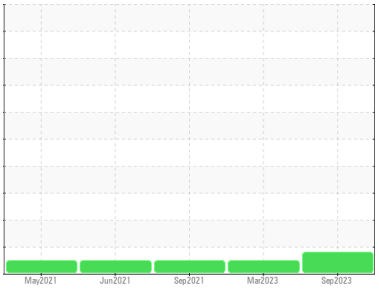
COOLANT REPORT

Area
KANSAS/44
Machine Id
53.155L [KANSAS^44]
Component
Coolant
Fluid
CATERPILLAR ELC (4 GAL)

Sample Rating Trend



APPEARANCE

DIAGNOSIS

Recommendation
We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer`s recommendations.

Corrosion
All metal levels are normal indicating no corrosion in the cooling system.

Contaminants
Sediment present.

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		**WC0833836**	WC0779835	WC0584673
Sample Date		Client Info		**26 Sep 2023**	02 Mar 2023	13 Sep 2021
Machine Age	hrs	Client Info		**1846**	1367	330
Oil Age	hrs	Client Info		**1756**	1274	249
Oil Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**ABNORMAL**	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		**1.070**	1.070	---
pH	Scale 0-14	ASTM D1287		**7.29**	7.36	7.88
Nitrites	ppm	AP-053:2009		**372**	524	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121		**---**	---	---
Percentage Glycol	%	ASTM D3321		**52.6**	52.0	49
Freezing Point	°F	ASTM D3321		**-40**	-40	-36
Total Dissolved Solids				**353.0**	338.0	350.0
Carboxylate				**fail**	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	**14**	54	24
Phosphorus	ppm	ASTM D6130	0	**5**	0	14
Boron	ppm	ASTM D6130	0	**27**	34	0
Molybdenum	ppm	ASTM D6130	950	**436**	934	941

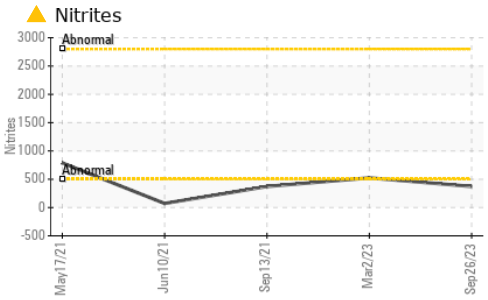
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	**2**	0	<1
Aluminum	ppm	ASTM D6130	>10	**2**	1	<1
Copper	ppm	ASTM D6130	>10	**2**	<1	<1
Lead	ppm	ASTM D6130	>10	**1**	<1	<1
Tin	ppm	ASTM D6130	>10	**1**	0	<1
Zinc	ppm	ASTM D6130		**21**	31	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		**19**	49	34

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		**3606**	5679	3320
Potassium	ppm	ASTM D6130		**657**	2067	483

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		**31**	13	<1
Magnesium	ppm	ASTM D6130		**4**	5	0

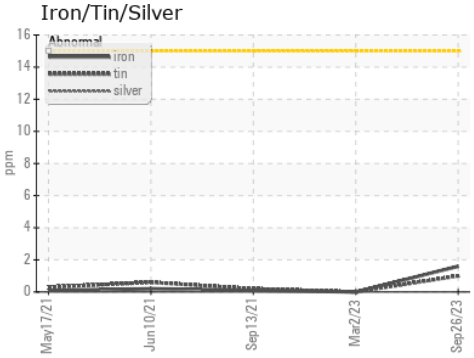
COOLANT REPORT



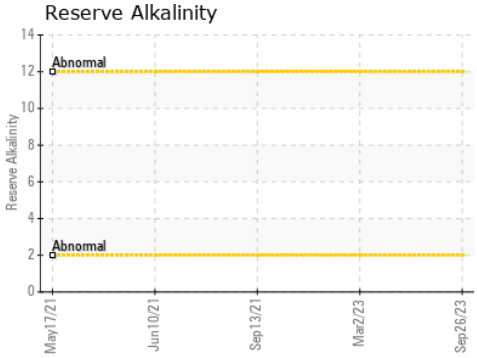
VISUAL		method	limit/base	current	history1	history2
Coolant Color		*Visual		**Red**	Red	Orange
Coolant Appearance		*Visual	Clear	▲ **sediment**	normal	normal
Color						
Bottom						

GRAPHS

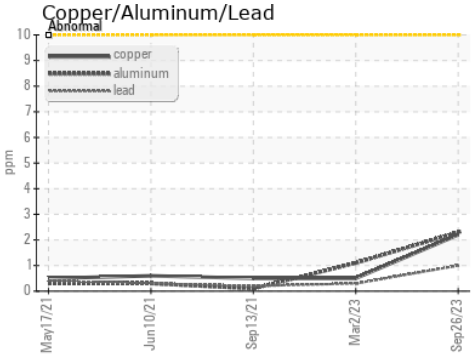
Iron/Tin/Silver



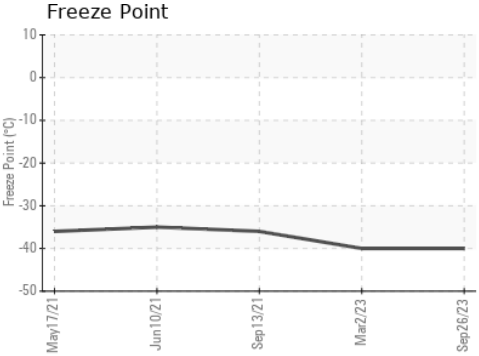
Reserve Alkalinity



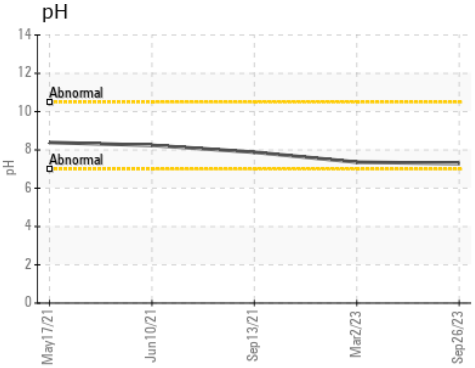
Copper/Aluminum/Lead



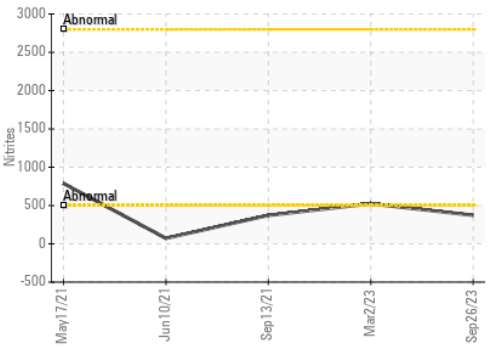
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0833836 **Received** : 03 Oct 2023
Lab Number : 05968196 **Tested** : 09 Oct 2023
Unique Number : 10674747 **Diagnosed** : 10 Oct 2023 - Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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)

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