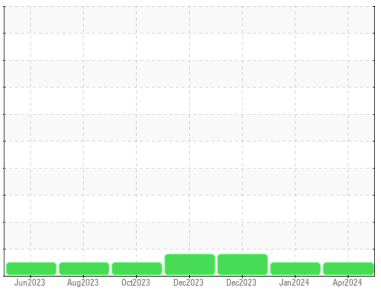
COOLANT REPORT

Sample Rating Trend



NORMAL

Area
Louisville
Machine Id
[Louisville] Coolant - Port Main Engine (Aftercooler)
Component
Coolant
Fluid
CATERPILLAR 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. 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		**WC0874766**	WC0804840	WC0859791
Sample Date		Client Info		**28 Apr 2024**	30 Jan 2024	08 Dec 2023
Machine Age	hrs	Client Info		**950**	39417	38606
Oil Age	hrs	Client Info		**950**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type		FT-IR		**---**	---	---
Specific Gravity		*ASTM D1298		**1.061**	1.052	1.055
pH	Scale 0-14	ASTM D1287		**8.39**	8.60	9.01
Nitrites	ppm	AP-053:2009		**824**	488	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		**---**	---	---
Percentage Glycol	%	ASTM D3321		**45.2**	38.4	40.6
Freezing Point	°F	ASTM D3321		**-24**	-9	-13
Total Dissolved Solids				**273.0**	243.0	242.0
Carboxylate				**fail**	fail	fail

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	**2**	<1	4
Phosphorus	ppm	ASTM D6130	0	**0**	<1	2
Boron	ppm	ASTM D6130	0	**0**	0	0
Molybdenum	ppm	ASTM D6130	950	**667**	494	519

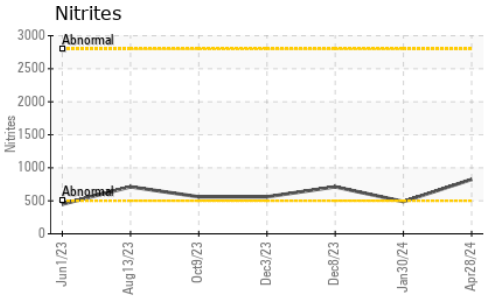
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	**0**	8	8
Aluminum	ppm	ASTM D6130	>10	**0**	<1	<1
Copper	ppm	ASTM D6130	>10	**0**	<1	<1
Lead	ppm	ASTM D6130	>10	**0**	<1	<1
Tin	ppm	ASTM D6130	>10	**0**	0	1
Zinc	ppm	ASTM D6130		**0**	0	0

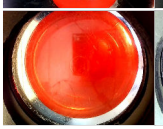
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		**9**	7	8

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		**4032**	3171	3248
Potassium	ppm	ASTM D6130		**14**	8	5

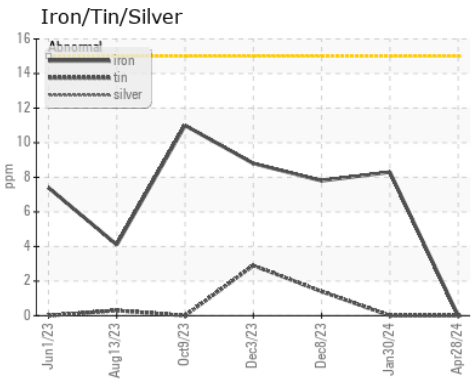
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		**6**	5	2
Magnesium	ppm	ASTM D6130		**2**	<1	1

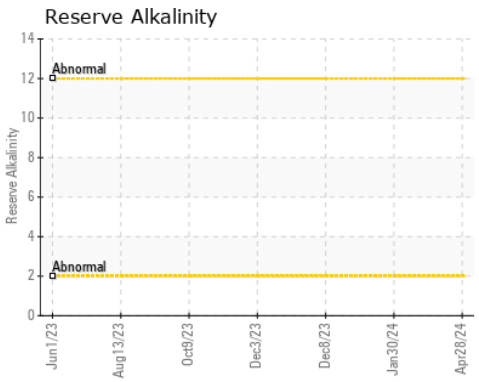
COOLANT REPORT

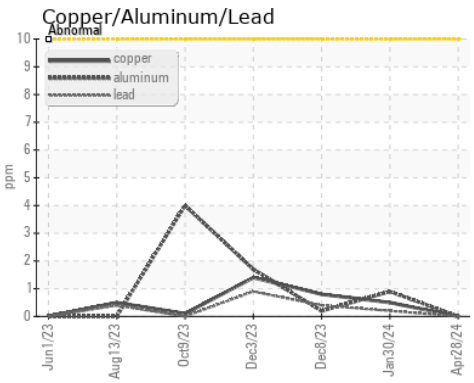


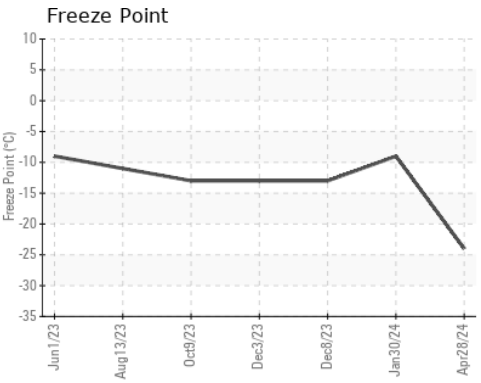
VISUAL		method	limit/base	current	history1	history2
Coolant Color		*Visual		**Red**	Red	Red
Coolant Appearance		*Visual	Clear	**normal**	normal	▲ sediment
Color						*no image*
Bottom						*no image*

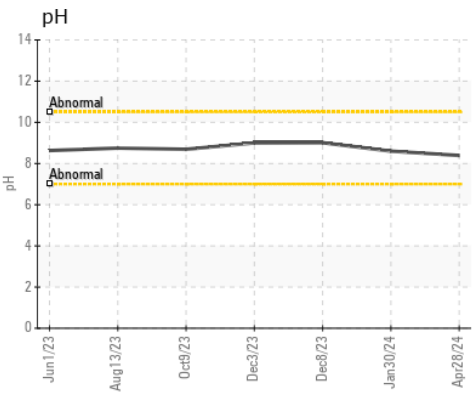
GRAPHS

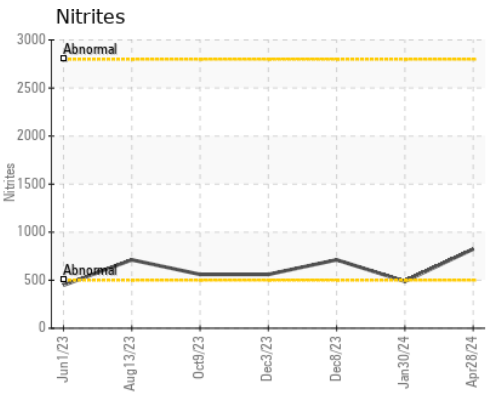












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0874766 **Received** : 16 May 2024
Lab Number : 06181902 **Tested** : 24 May 2024
Unique Number : 11033228 **Diagnosed** : 24 May 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

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)

Certificate L2367

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