



COOLANT REPORT

Sample Rating Trend

NORMAL



Area

Louisville

Machine Id

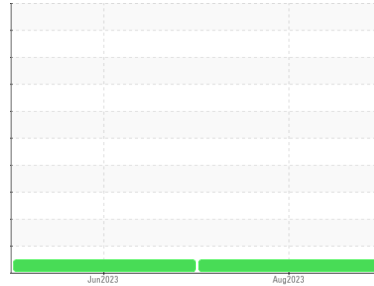
[Louisville] Coolant - Port Main Engine (Aftercooler)

Component

Coolant

Fluid

CATERPILLAR ELC (--- GAL)



DIAGNOSIS

Recommendation

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

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		WC0769113	WC0735450	---
Sample Date	Client Info		13 Aug 2023	01 Jun 2023	---
Machine Age	hrs	Client Info	37394	36640	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.053	1.052	---
pH	Scale 0-14 ASTM D1287		8.75	8.63	---
Nitrites	ppm AP-053:2009		712	448	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		39.3	38.6	---
Freezing Point	°F ASTM D3321		-11	-9	---
Total Dissolved Solids			263.0	259.5	---
Carboxylate			fail	fail	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	2	1	---
Phosphorus	ppm ASTM D6130	0	0	0	---
Boron	ppm ASTM D6130	0	5	0	---
Molybdenum	ppm ASTM D6130	950	825	1015	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	4	7	---
Aluminum	ppm ASTM D6130	>10	0	0	---
Copper	ppm ASTM D6130	>10	<1	0	---
Lead	ppm ASTM D6130	>10	<1	0	---
Tin	ppm ASTM D6130	>10	<1	0	---
Zinc	ppm ASTM D6130		<1	0	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		24	0	---

CARRIER SALTS

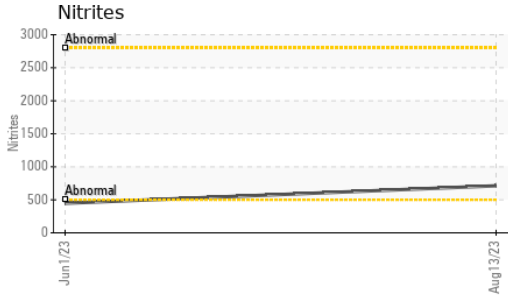
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		4816	5140	---
Potassium	ppm ASTM D6130		0	0	---

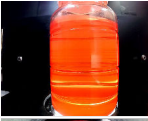
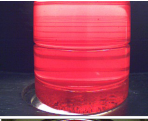


SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		11	15	---
Magnesium	ppm ASTM D6130		2	2	---

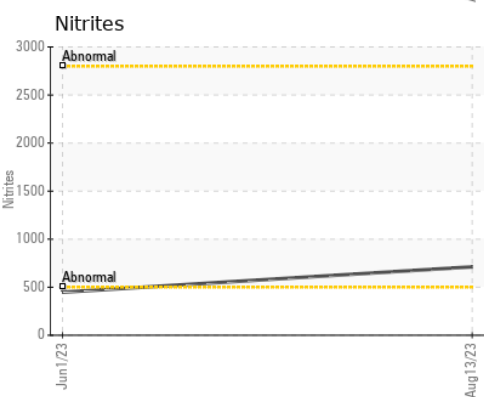
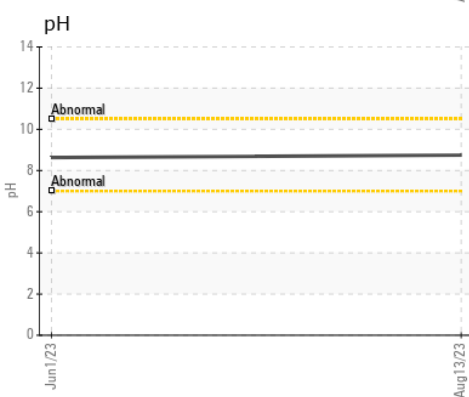
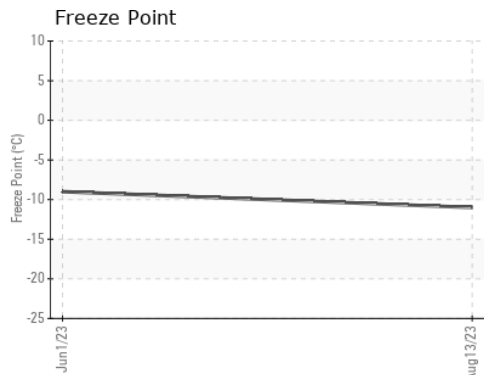
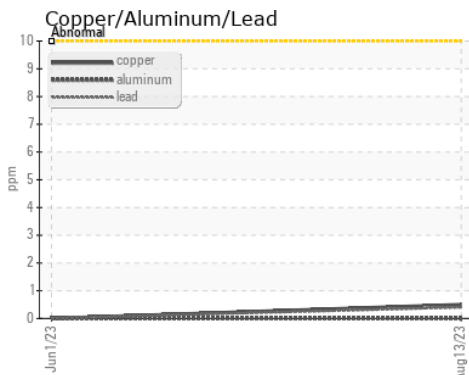
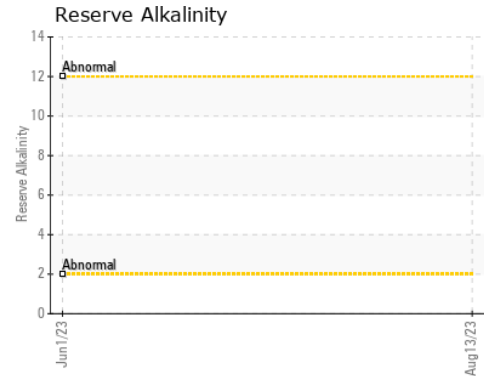
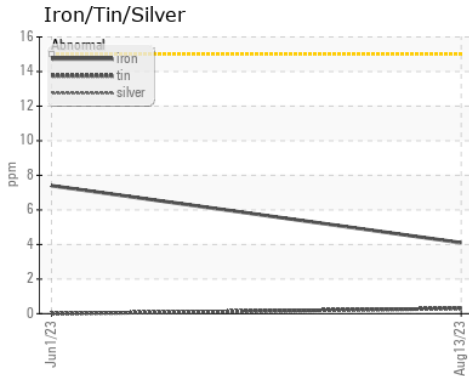


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0769113 **Received** : 23 Aug 2023
Lab Number : 05932519 **Diagnosed** : 26 Aug 2023
Unique Number : 10617790 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP)

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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)