



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
[20234836]
 Machine Id
Cummins 4700 River Rd 400kw
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (30 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0029831	DC0021978	---
Sample Date		Client Info		28 Sep 2023	08 Jul 2022	---
Machine Age	yrs	Client Info		0	0	---
Oil Age	yrs	Client Info		0	1	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

CORROSION

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

Iron	ppm	ASTM D6130	>15	5	---	---
Aluminum	ppm	ASTM D6130	>10	<1	---	---
Copper	ppm	ASTM D6130	>10	<1	---	---
Lead	ppm	ASTM D6130	>10	6	---	---
Tin	ppm	ASTM D6130	>10	1	---	---
Zinc	ppm	ASTM D6130	>10	1	---	---

CONTAMINANTS

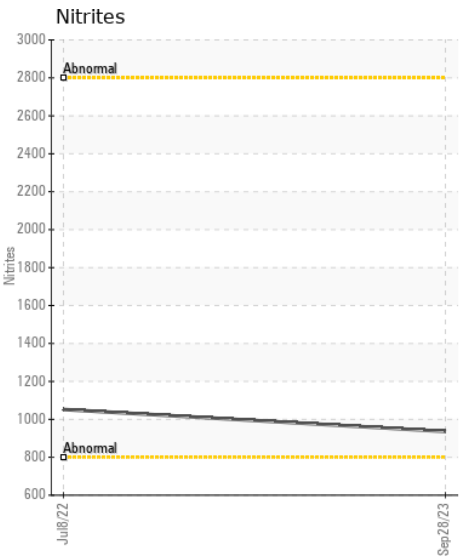
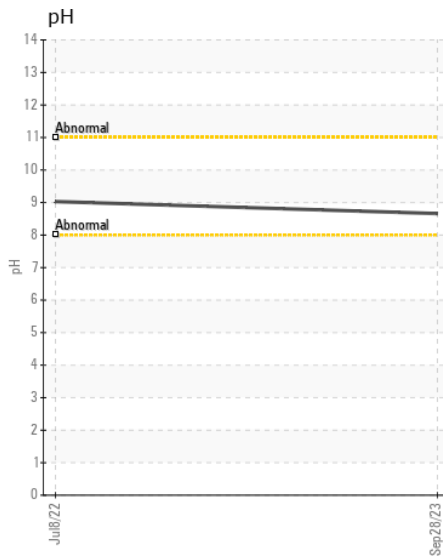
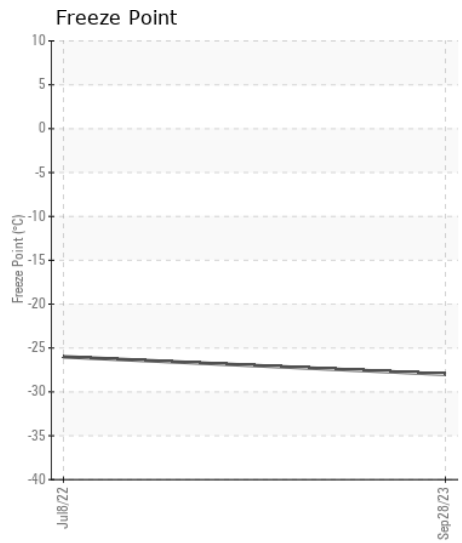
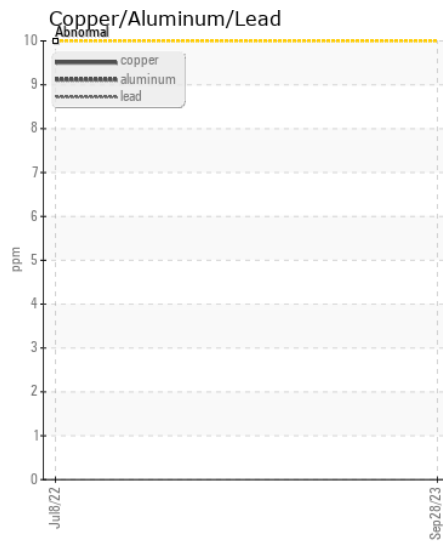
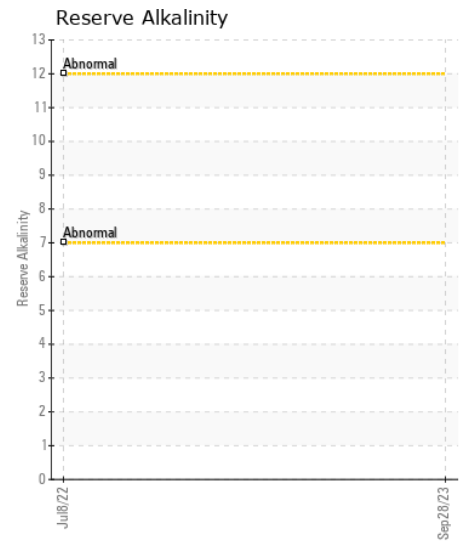
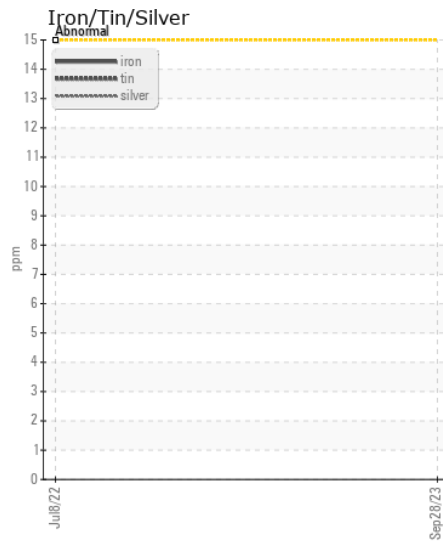
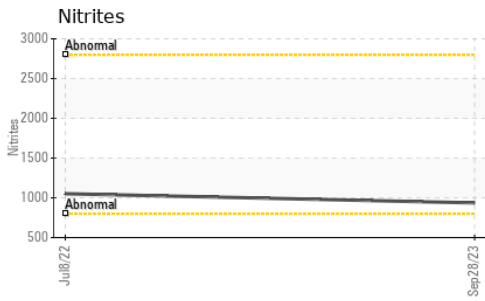
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<1	---	---
Chlorine	ppm	ASTM D6130		11	---	---
Magnesium	ppm	ASTM D6130		5	---	---
Total Dissolved Solids				239.0	295.0	---
Coolant Appearance		*Visual	Clear	normal	▲ hazy	---

COOLANT CONDITION

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		*ASTM D1298		1.064	1.063	---
pH	Scale 0-14	ASTM D1287		8.66	9.03	---
Nitrites	ppm	AP-053:2009		936	1052	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		47.7	46.8	---
Freezing Point	°F	ASTM D3321		-28	-26	---
Carboxylate				fail	n/a	---
Silicon	ppm	ASTM D6130		71	---	---
Phosphorus	ppm	ASTM D6130		1	---	---
Boron	ppm	ASTM D6130		220	---	---
Molybdenum	ppm	ASTM D6130		51	---	---
Sodium	ppm	ASTM D6130		1838	---	---
Potassium	ppm	ASTM D6130		2467	---	---
Coolant Color		*Visual		Red	Purpl	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0029831 **Received** : 09 Oct 2023
Lab Number : 05973527 **Tested** : 12 Oct 2023
Unique Number : 10685477 **Diagnosed** : 16 Oct 2023 - Angela Borella
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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