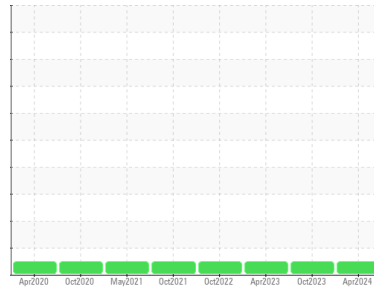




# COOLANT REPORT

Machine Id  
**Grand River CAT 3 GRRM03BE**  
 Component  
**Auxiliary Circuit Coolant**  
 Fluid  
**CHEVRON HEAVY DUTY PF COOLANT (125 GAL)**

### Sample Rating Trend



**NORMAL**



### 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		<b>WC0724915</b>	WC0724859	WC0724829
Sample Date	Client Info		<b>16 Apr 2024</b>	10 Oct 2023	04 Apr 2023
Machine Age	hrs	Client Info	<b>63711</b>	62809	61920
Oil Age	hrs	Client Info	<b>63711</b>	62809	61920
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.069</b>	1.069	1.069
pH	Scale 0-14	ASTM D1287 10.5	<b>9.08</b>	8.98	9.02
Nitrites	ppm	AP-053:2009 >800	<b>1276</b>	1240	1088
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 50	<b>51.5</b>	51.2	51.7
Freezing Point	°F	ASTM D3321 -37	<b>-38</b>	-38	-38
Total Dissolved Solids			<b>240.5</b>	226.0	245.0
Carboxylate			<b>n/a</b>	n/a	fail

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	<b>38</b>	22	76
Phosphorus	ppm	ASTM D6130 0	<b>15</b>	5	20
Boron	ppm	ASTM D6130	<b>384</b>	323	600
Molybdenum	ppm	ASTM D6130	<b>242</b>	205	368

### CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D6130 >10	<b>0</b>	<1	0
Copper	ppm	ASTM D6130 >10	<b>1</b>	0	1
Lead	ppm	ASTM D6130 >10	<b>0</b>	0	<1
Tin	ppm	ASTM D6130 >10	<b>0</b>	0	0
Zinc	ppm	ASTM D6130	<b>0</b>	0	0

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	<b>&lt;1</b>	4	23

### CARRIER SALTS

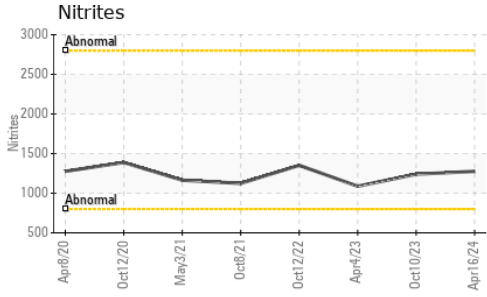
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	<b>2318</b>	2000	3265
Potassium	ppm	ASTM D6130	<b>67</b>	29	142

### SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	<b>1</b>	<1	2
Magnesium	ppm	ASTM D6130	<b>0</b>	<1	<1

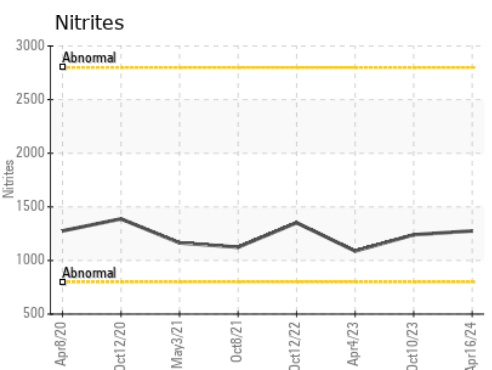
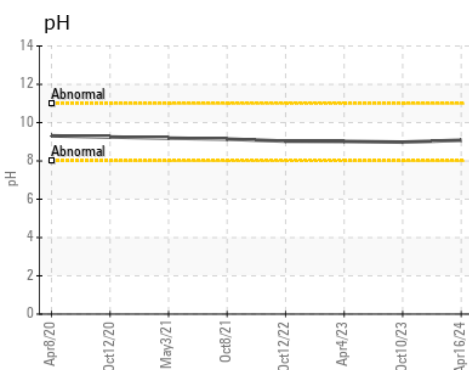
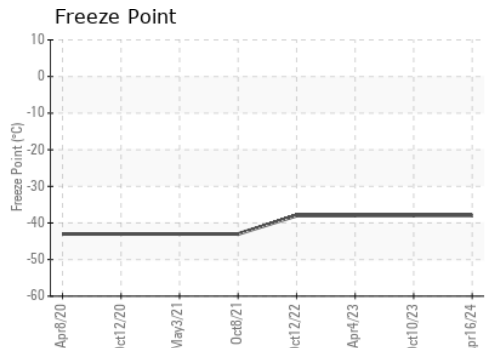
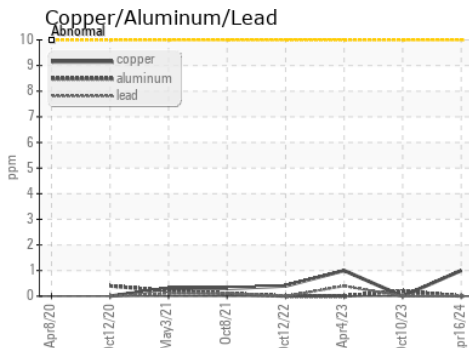
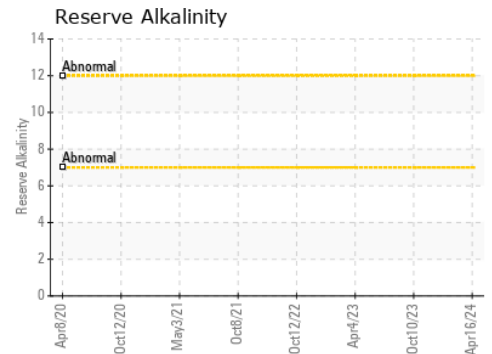
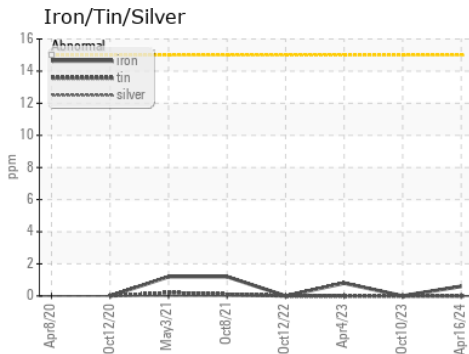


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Grn/Prpl	<b>Pink</b>	Pink	Pink
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	normal
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0724915      **Received** : 18 Apr 2024  
**Lab Number** : **06153570**      **Tested** : 19 Apr 2024  
**Unique Number** : 10983648      **Diagnosed** : 22 Apr 2024 - Doug Bogart  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**EDL NA Recips-Grand River**  
 Grand River Powerstation, 8550 West Grand River Hwy  
 Grand Ledge, MI  
 US 48837  
 Contact: JAMES ALEXANDER  
 james.alexander@edlenergy.com

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)