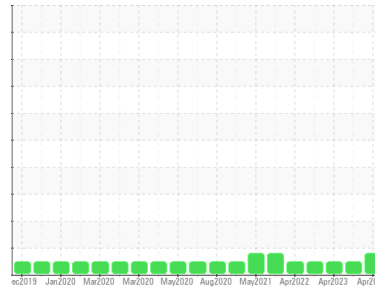




# COOLANT REPORT

Machine Id  
**Grand River CAT 1 GRRM01BE**  
 Component  
**Jacket Water Coolant**  
 Fluid  
**CHEVRON HEAVY DUTY PF COOLANT (250 GAL)**

Sample Rating Trend



**WEAR**



## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Corrosion

The copper level is abnormal.

### 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>WC0724918</b>	WC0724857	WC0724828
Sample Date	Client Info		<b>23 Apr 2024</b>	10 Oct 2023	04 Apr 2023
Machine Age	hrs	Client Info	<b>72558</b>	70050	68564
Oil Age	hrs	Client Info	<b>72558</b>	70050	68564
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.064</b>	1.064	1.064
pH	Scale 0-14	ASTM D1287 10.5	<b>8.68</b>	8.89	8.95
Nitrites	ppm	AP-053:2009 >800	<b>712</b>	488	1088
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 50	<b>47.5</b>	47.0	47.0
Freezing Point	°F	ASTM D3321 -37	<b>-28</b>	-28	-28
Total Dissolved Solids			<b>213.5</b>	251.5	229.5
Carboxylate			<b>n/a</b>	n/a	fail

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	<b>51</b>	37	105
Phosphorus	ppm	ASTM D6130 0	<b>8</b>	5	33
Boron	ppm	ASTM D6130	<b>322</b>	313	580
Molybdenum	ppm	ASTM D6130	<b>208</b>	207	364

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	<b>6</b>	0	4
Aluminum	ppm	ASTM D6130 >10	<b>0</b>	<1	0
Copper	ppm	ASTM D6130 >10	<b>▲ 23</b>	3	7
Lead	ppm	ASTM D6130 >10	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D6130 >10	<b>0</b>	0	0
Zinc	ppm	ASTM D6130	<b>11</b>	0	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	<b>15</b>	4	33

## CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	<b>1884</b>	1841	3053
Potassium	ppm	ASTM D6130	<b>115</b>	66	218

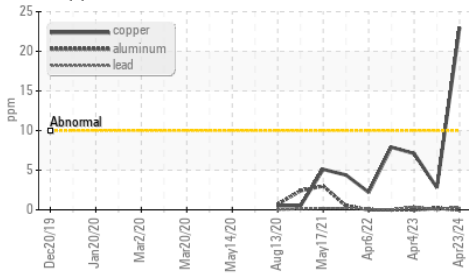
## SCALE POTENTIAL

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

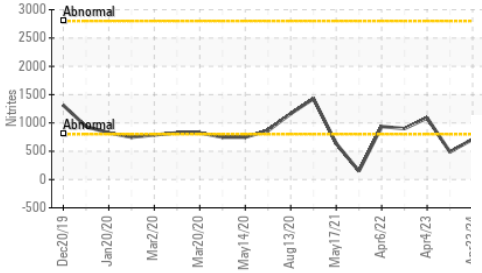


# COOLANT REPORT

▲ Copper/Aluminum/Lead



Nitrites

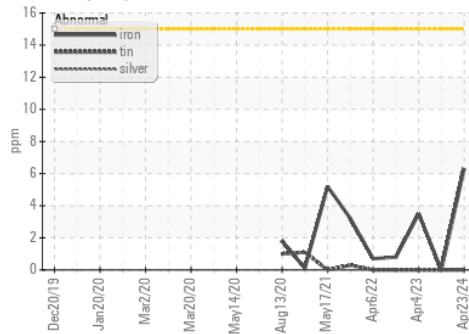


## VISUAL

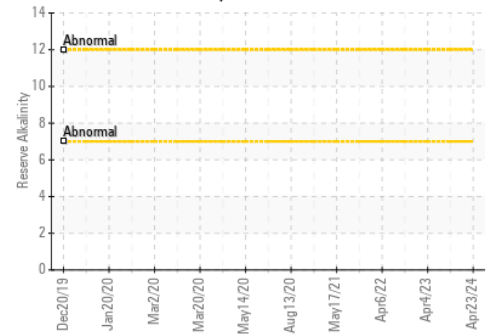
method	limit/base	current	history1	history2
Visual	Grn/Prpl	<b>Brown</b>	Red	Red
Coolant Color	*Visual	Clear	normal	normal
Coolant Appearance	*Visual	Clear	normal	normal
Color				
Bottom				

## GRAPHS

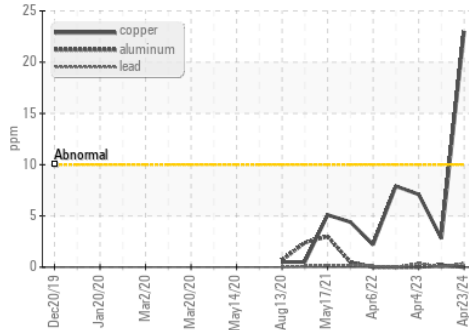
Iron/Tin/Silver



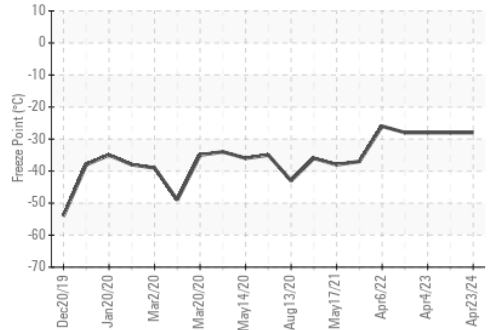
Reserve Alkalinity



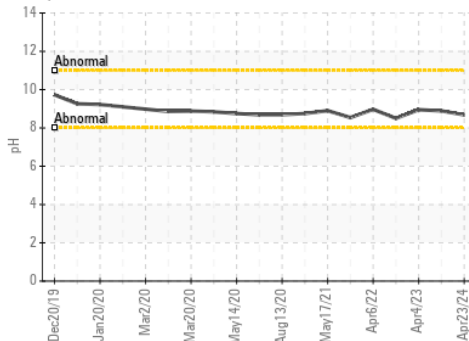
▲ Copper/Aluminum/Lead



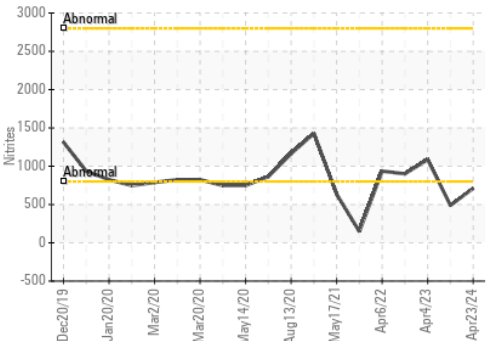
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0724918

Lab Number : 06160900

Unique Number : 10996323

Test Package : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, 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)

Received : 25 Apr 2024

Tested : 30 Apr 2024

Diagnosed : 30 Apr 2024 - Jonathan Hester

EDL NA Recips-Grand River

Grand River Powerstation, 8550 West Grand River Hwy

Grand Ledge, MI

US 48837

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