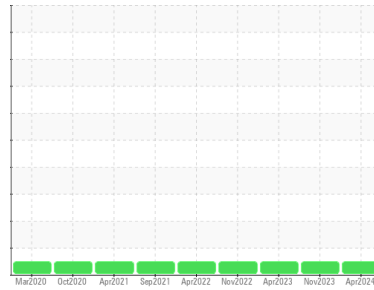




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**Grand Blanc CAT 4 GBLM04BE**  
 Component  
**Jacket Water Coolant**  
 Fluid  
**CHEVRON HEAVY DUTY PF COOLANT (--- GAL)**

## DIAGNOSIS

### Recommendation

The fluid is suitable for further service. ( Customer Sample Comment: 4 jw sample 6 mo )

### 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>WC0905663</b>	WC0870107	WC0795337
Sample Date	Client Info		<b>04 Apr 2024</b>	06 Nov 2023	05 Apr 2023
Machine Age	hrs	Client Info	<b>68772</b>	65347	60443
Oil Age	hrs	Client Info	<b>13342</b>	9917	5013
Oil Changed		Client Info	<b>N/A</b>	Not Changd	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.069</b>	1.070	1.069
pH	Scale 0-14	ASTM D1287 10.5	<b>8.65</b>	8.64	8.72
Nitrites	ppm	AP-053:2009 >800	<b>1012</b>	1012	1164
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321 50	<b>51.8</b>	52.0	51.4
Freezing Point	°F	ASTM D3321 -37	<b>-38</b>	-40	-38
Total Dissolved Solids			<b>245.5</b>	219.0	234.5
Carboxylate			<b>fail</b>	n/a	fail

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	<b>40</b>	53	91
Phosphorus	ppm	ASTM D6130 0	<b>6</b>	10	25
Boron	ppm	ASTM D6130	<b>376</b>	359	607
Molybdenum	ppm	ASTM D6130	<b>197</b>	201	313

## 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>	0	0
Copper	ppm	ASTM D6130 >10	<b>2</b>	2	2
Lead	ppm	ASTM D6130 >10	<b>0</b>	<1	<1
Tin	ppm	ASTM D6130 >10	<b>0</b>	2	0
Zinc	ppm	ASTM D6130	<b>0</b>	0	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	<b>0</b>	4	21

## CARRIER SALTS

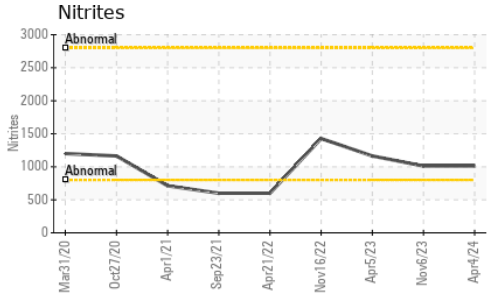
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	<b>2231</b>	2110	3130
Potassium	ppm	ASTM D6130	<b>45</b>	49	115

## SCALE POTENTIAL

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

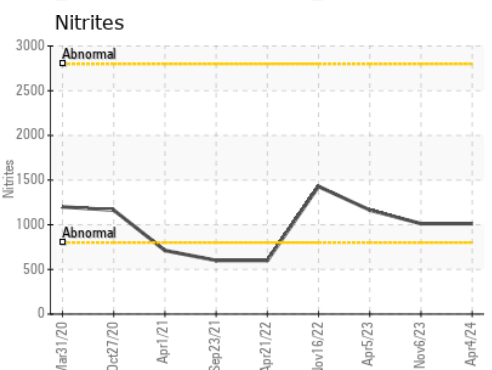
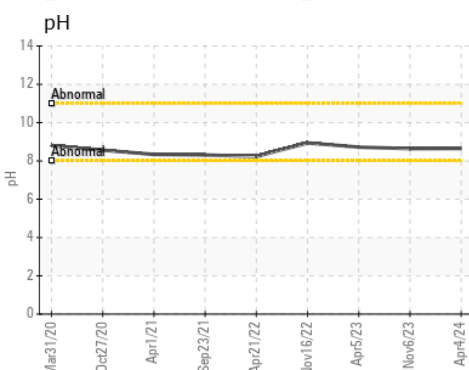
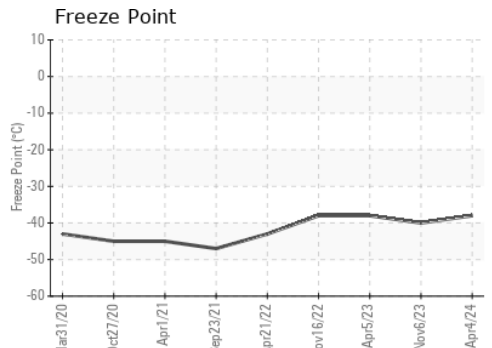
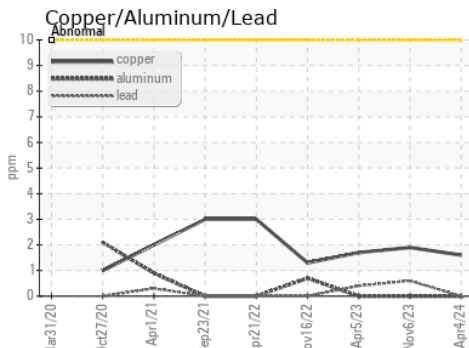
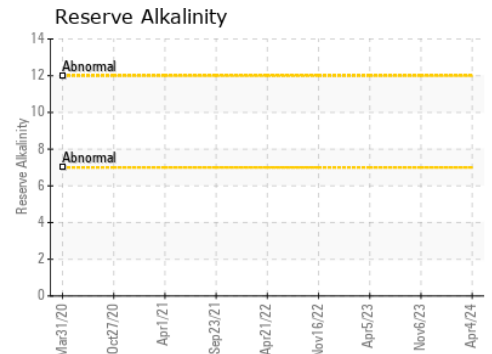
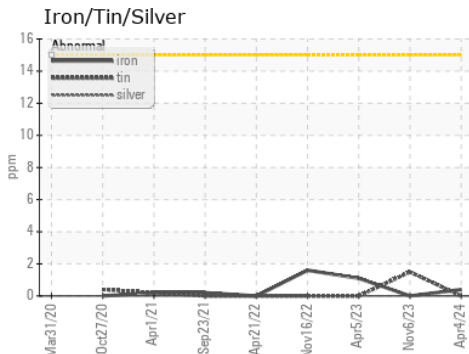


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0905663 **Received** : 11 Apr 2024  
**Lab Number** : 06146296 **Tested** : 16 Apr 2024  
**Unique Number** : 10976374 **Diagnosed** : 16 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**EDL NA Recips-Grand Blanc**  
 Grand Blanc Powerstation, 2361 West Grand Blanc Road  
 Grand Blanc, MI  
 US 48439  
 Contact: Tony Saint Marie  
 tony.saintmarie@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)