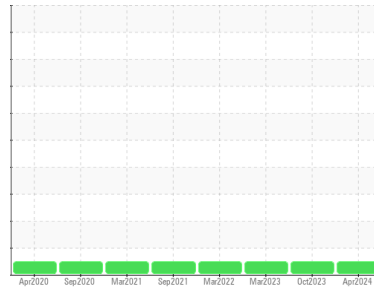




# COOLANT REPORT

Machine Id  
**Coopersville CAT 4 CPVM04BE**  
 Component  
**Jacket Water Coolant**  
 Fluid  
**CHEVRON HEAVY DUTY PF COOLANT (100 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>WC0871594</b>	WC0819409	WC0765309
Sample Date	Client Info		<b>02 Apr 2024</b>	11 Oct 2023	29 Mar 2023
Machine Age	hrs	Client Info	<b>79703</b>	75794	71259
Oil Age	hrs	Client Info	<b>0</b>	0	0
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>1.064</b>	1.063	1.064
pH	Scale 0-14	ASTM D1287 10.5	<b>8.59</b>	8.28	8.53
Nitrites	ppm	AP-053:2009 >800	<b>748</b>	448	936
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 50	<b>47.6</b>	46.9	47.3
Freezing Point	°F	ASTM D3321 -37	<b>-28</b>	-26	-28
Total Dissolved Solids			<b>230.5</b>	235.0	253.5
Carboxylate			<b>n/a</b>	n/a	n/a

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	<b>66</b>	46	94
Phosphorus	ppm	ASTM D6130 0	<b>10</b>	5	14
Boron	ppm	ASTM D6130	<b>370</b>	305	621
Molybdenum	ppm	ASTM D6130	<b>230</b>	189	380

### CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	<b>1</b>	0	<1
Aluminum	ppm	ASTM D6130 >10	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D6130 >10	<b>3</b>	0	2
Lead	ppm	ASTM D6130 >10	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D6130 >10	<b>&lt;1</b>	0	0
Zinc	ppm	ASTM D6130	<b>0</b>	0	0

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	<b>16</b>	3	30

### CARRIER SALTS

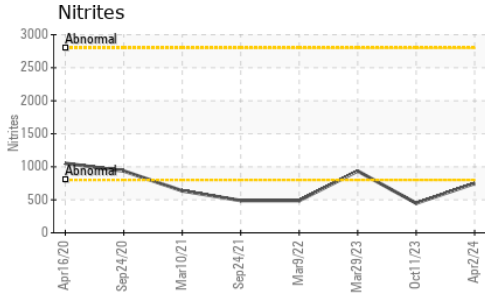
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	<b>2368</b>	1809	3282
Potassium	ppm	ASTM D6130	<b>70</b>	31	218

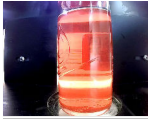





### SCALE POTENTIAL

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

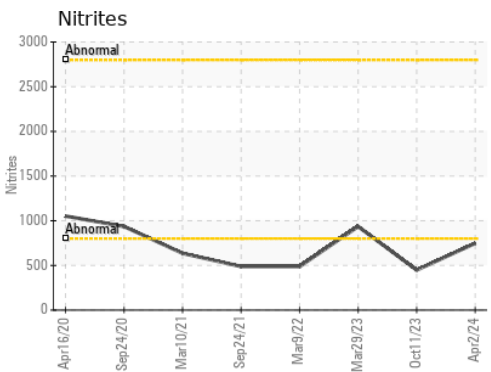
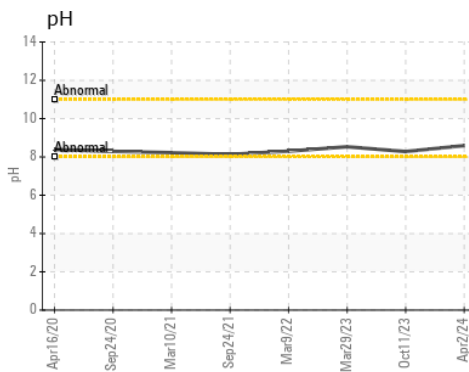
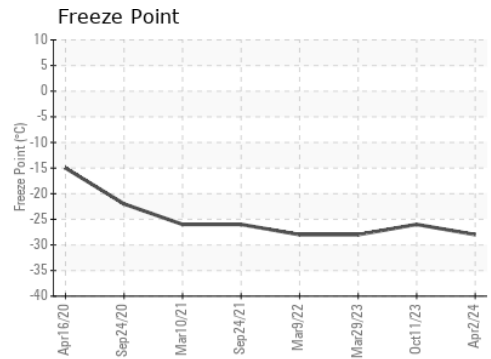
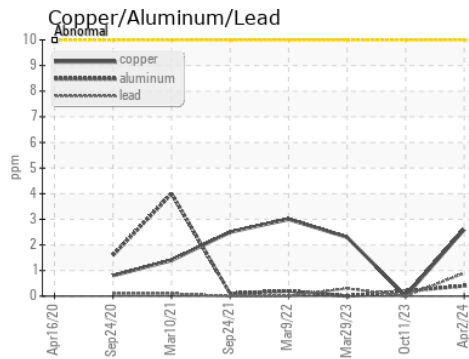
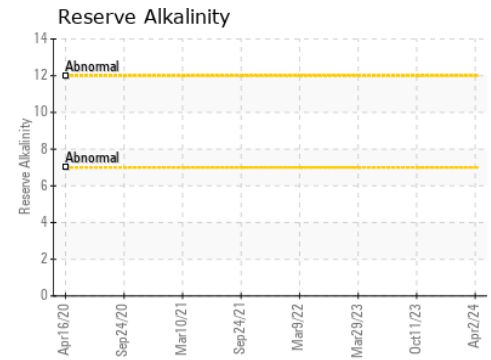
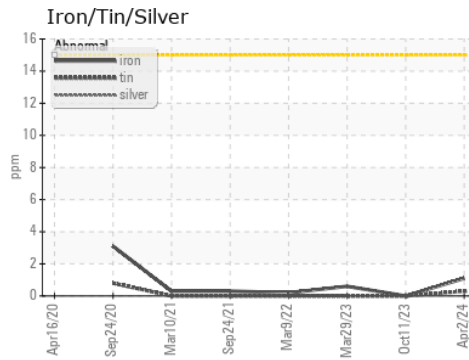


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0871594 **Received** : 05 Apr 2024  
**Lab Number** : **06140418** **Tested** : 10 Apr 2024  
**Unique Number** : 10965226 **Diagnosed** : 10 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**EDL NA Recips-Coopersville**  
 Coopersville Powerstation, 15362 68th Avenue  
 Coopersville, MI  
 US 49404  
 Contact: Daniel Young  
 daniel.young@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)

T:  
F: