



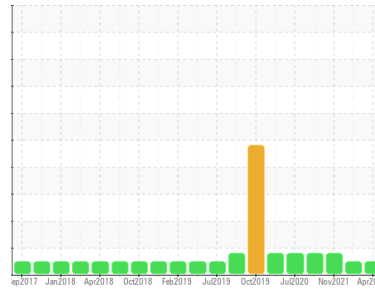
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**LIDM02BE (S/N GZJ00681)**  
 Component  
**Auxiliary Circuit Coolant**  
 Fluid  
**CHEVRON HEAVY DUTY PF COOLANT (2000 LTR)**



## DIAGNOSIS

### Recommendation

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Corrosion

Les concentrations de tous les métaux sont normales indiquant qu'il n'y a pas de corrosion dans le système de refroidissement.

### Contaminants

Il n'y a aucun indice de contamination dans l'agent de refroidissement.

### Coolant Condition

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. Le niveau de nitrite est acceptable. Le niveau de pH de ce fluide est dans les limites acceptables.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0714201</b>	WC0714178	WC0625830
Sample Date	Client Info		<b>25 Apr 2023</b>	29 Nov 2022	23 Nov 2021
Machine Age	hrs	Client Info	<b>1795</b>	63176	55233
Oil Age	hrs	Client Info	<b>10446</b>	9120	1177
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.065	<b>1.064</b>	1.065	1.067
pH	Scale 0-14	ASTM D1287*	<b>8.80</b>	8.63	8.91
Nitrites	ppm	Alcan Test Kit*	<b>1120</b>	1080	1080
Reserve Alkalinity	Scale 0-20	ASTM D1121*	<b>3.8</b>	3.4	3.9
Percentage Glycol	%	ASTM D3321*	<b>47.7</b>	48.1	50.0
Freezing Point	°C	ASTM D3321*	<b>-28</b>	-31	-36
Carboxylate			---	---	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>48</b>	40	46
Phosphorus	ppm	ASTM D5185(m)	<b>15</b>	14	12
Boron	ppm	ASTM D5185(m)	<b>393</b>	412	433
Molybdenum	ppm	ASTM D5185(m)	<b>237</b>	258	257

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<b>&gt;15</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	<b>&gt;10</b>	2	3
Copper	ppm	ASTM D5185(m)	<b>&gt;10</b>	3	1
Lead	ppm	ASTM D5185(m)	<b>&gt;10</b>	<1	<1
Tin	ppm	ASTM D5185(m)	<b>&gt;10</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>&gt;10</b>	0	<1
Zinc	ppm	ASTM D5185(m)	<b>&gt;10</b>	1	1

## CARRIER SALTS

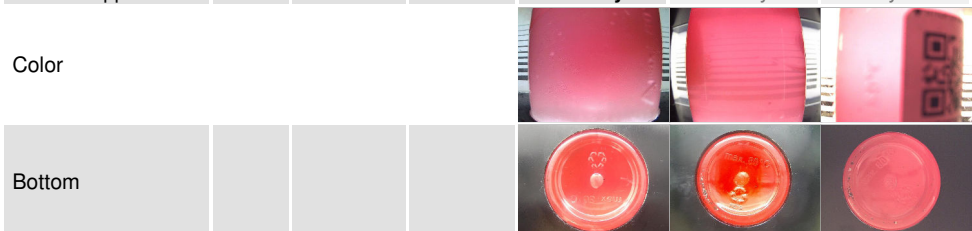
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	<b>2074</b>	2447	1776
Potassium	ppm	ASTM D5185(m)	<b>25</b>	36	26

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	<b>&gt;100</b>	9	8
Magnesium	ppm	ASTM D5185(m)	<b>&gt;40</b>	<b>1</b>	<1
Hardness	mg/L CaCO3	In-house*	<b>&lt;75</b>	<b>26</b>	22

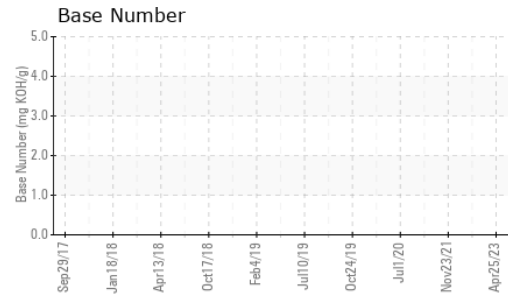
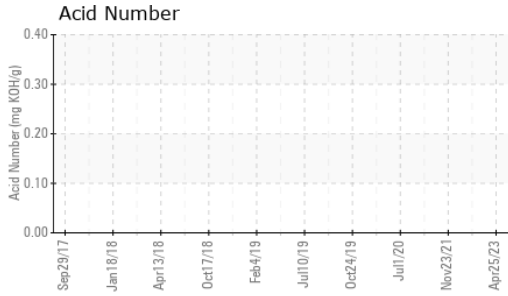
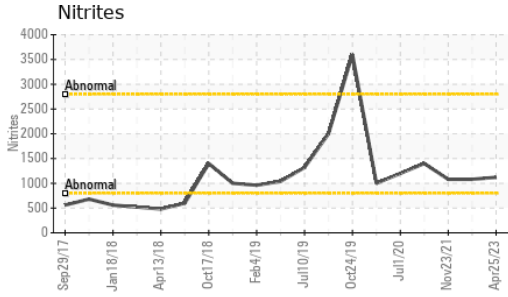
## VISUAL

	method	limit/base	current	history1	history2
Coolant Color	Visual*	Purple	<b>Pink</b>	Pink	Pink
Coolant Appearance	Visual*	Clear	<b>Cloudy</b>	Cloudy	▲ Very cld

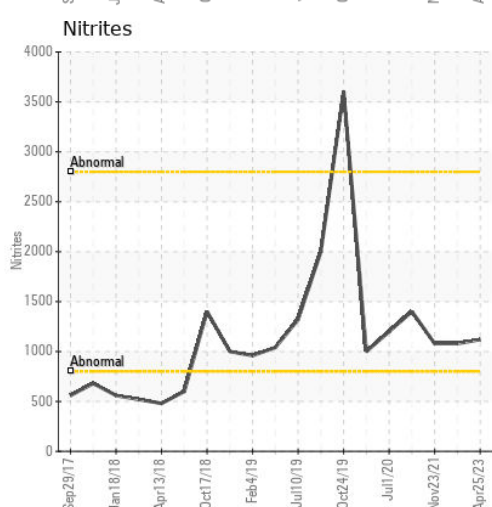
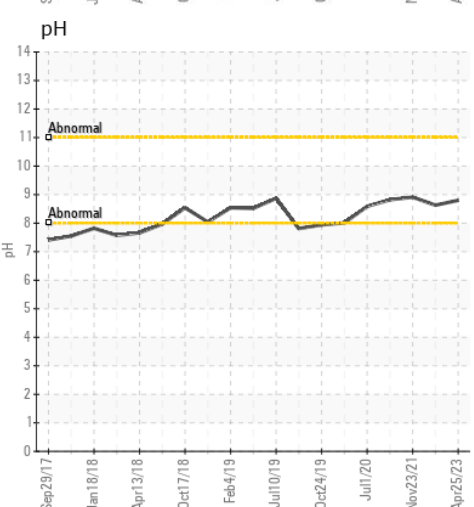
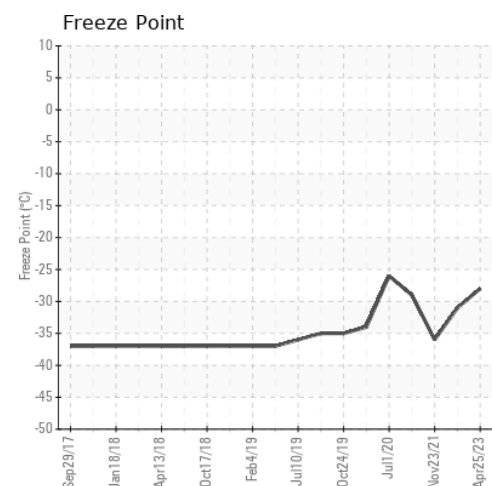
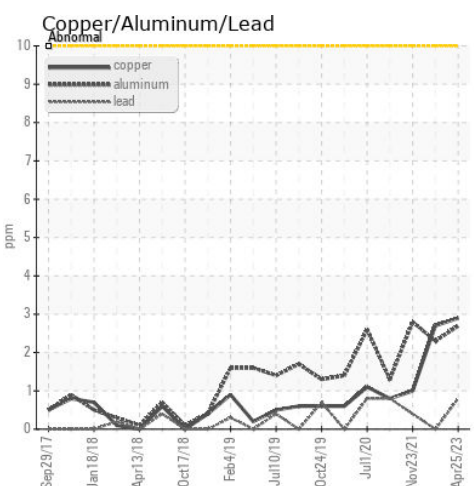
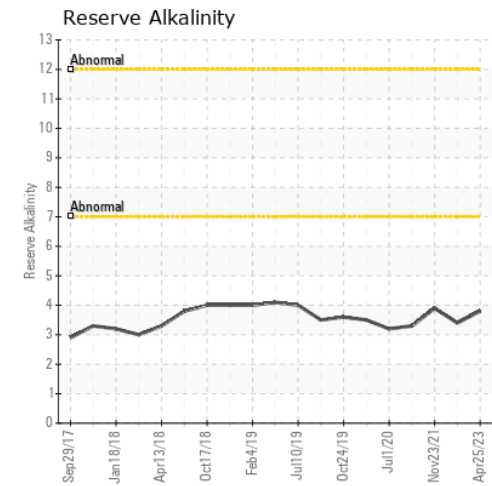
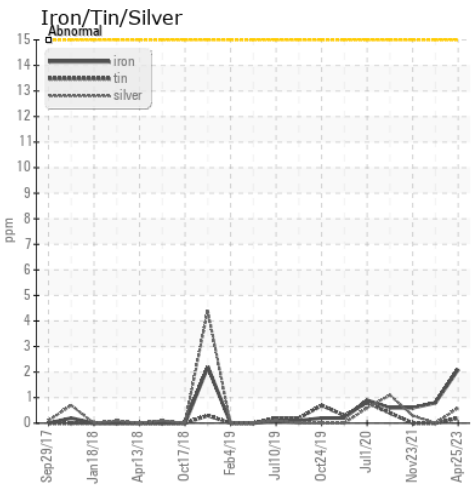




# COOLANT REPORT



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0714201 **Received** : 27 Apr 2023  
**Lab Number** : 02553987 **Diagnosed** : 28 Apr 2023  
**Unique Number** : 5567002 **Diagnostician** : Kevin Marson  
**Test Package** : COOL ( Additional Tests: TAN Auto, TBN )

**EDL NA Recips-Lydia**  
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 LACHUTE, QC  
 CA J8H 2C5  
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 eloi.legault@energydi.com  
 T: (450)526-4001  
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.