

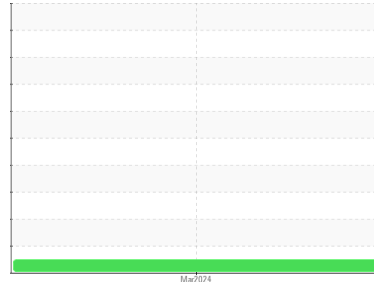
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**ADMINISTRATION PORTUAIRE DE QUEBEC [6100278374]**  
Machine Id  
**VOLVO D9 MH 1009182724**  
Component  
**Coolant**  
Fluid  
**DETROIT DIESEL POWER COOL PLUS (--- GAL)**



## DIAGNOSIS

### Recommendation

Le fluide peut encore servir. 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

Le niveau de pH de ce fluide est dans les limites acceptables. La réserve d'alcalinité de ce fluide est acceptable.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WA0019805</b>	---	---
Sample Date	Client Info		<b>27 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>1227</b>	---	---
Oil Age	hrs	Client Info	<b>500</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>UNK</b>	---	---
Specific Gravity	ASTM D1298*		<b>1.067</b>	---	---
pH	Scale 0-14	ASTM D1287* 9.0	<b>8.55</b>	---	---
Nitrites	ppm	Alcan Test Kit* 0	<b>480</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	<b>5.8</b>	---	---
Percentage Glycol	%	ASTM D3321* 50	<b>49.9</b>	---	---
Freezing Point	°C	ASTM D3321* -40	<b>-36</b>	---	---
Carboxylate			<b>---</b>	---	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>19</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 0	<b>6</b>	---	---
Boron	ppm	ASTM D5185(m)	<b>20</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>153</b>	---	---

## CORROSION

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

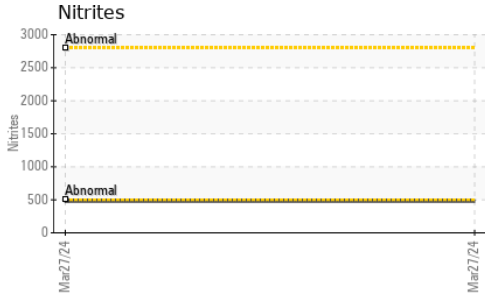
## CARRIER SALTS

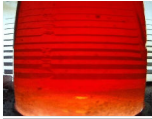

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	<b>4570</b>	---	---
Potassium	ppm	ASTM D5185(m)	<b>4249</b>	---	---

## SCALE POTENTIAL

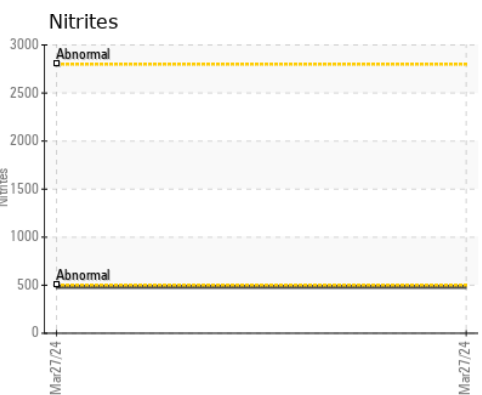
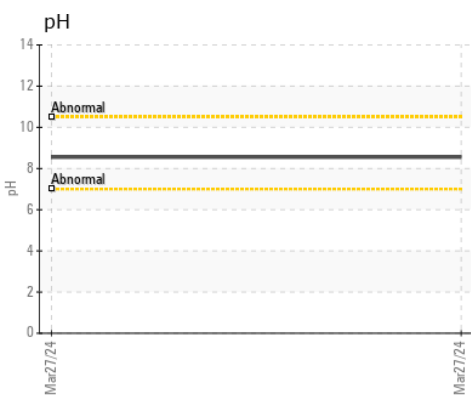
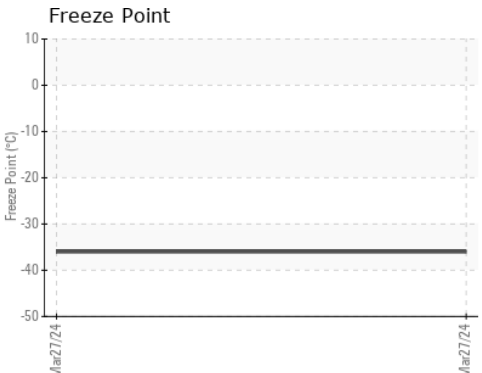
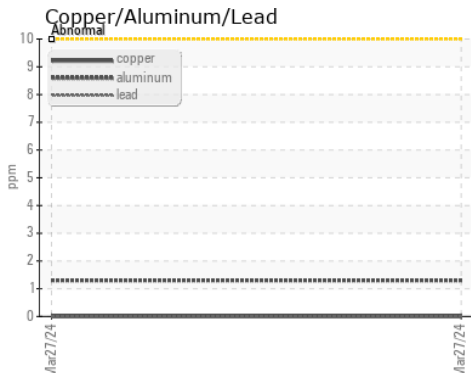
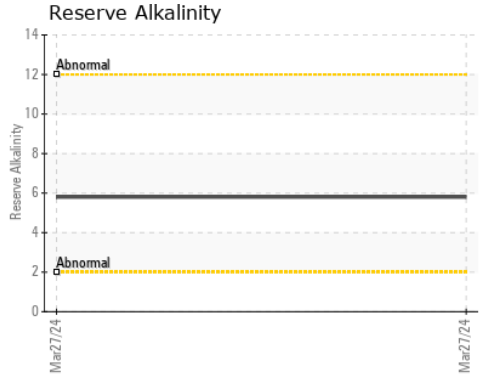
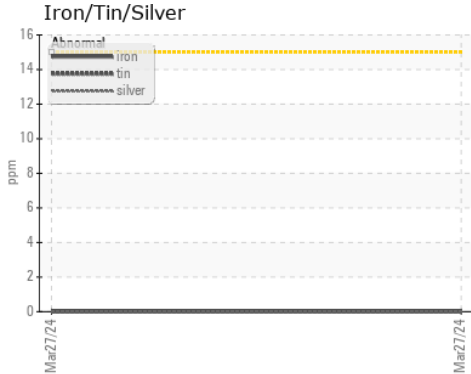
	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	<b>10</b>	---	---
Magnesium	ppm	ASTM D5185(m) >40	<b>3</b>	---	---
Hardness	mg/L CaCO3	In-house* <75	<b>36</b>	---	---

# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Red	<b>Red</b>	---	---
Coolant Appearance	Visual*	Clear	<b>Clear</b>	---	---
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0019805 **Received** : 02 Apr 2024  
**Lab Number** : 02626236 **Tested** : 03 Apr 2024  
**Unique Number** : 5759368 **Diagnosed** : 03 Apr 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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.

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