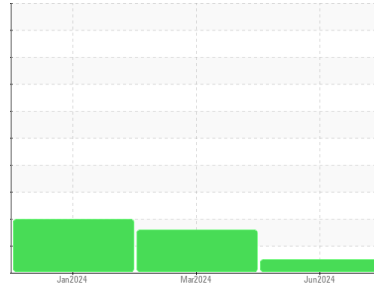




# COOLANT REPORT

### Sample Rating Trend



**NORMAL**



Machine Id  
**MERCEDES C6-A**

Component  
**Coolant**  
Fluid  
**VALVOLINE ZEREX G-05 ANTI-FREEZE (--- GAL)**

### DIAGNOSIS

#### Recommendation

The fluid is suitable for further service. Resample at the next service interval to monitor.

#### 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

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0940241</b>	WC0902433	WC0891337
Sample Date	Client Info			<b>11 Jun 2024</b>	11 Mar 2024	03 Jan 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			<b>UNK</b>	UNK	---
Specific Gravity	ASTM D1298*	1.060		<b>1.070</b>	1.070	1.074
pH	Scale 0-14	ASTM D1287*	8.0	<b>7.39</b>	7.50	▲ 7.16
Nitrites	ppm	Alcan Test Kit*		<b>1600</b>	1280	880
Reserve Alkalinity	Scale 0-20	ASTM D1121*	10.0	<b>7.3</b>	8.2	6.6
Percentage Glycol	%	ASTM D3321*	50	<b>52.3</b>	52.9	55.1
Freezing Point	°C	ASTM D3321*	-36	<b>-40</b>	-40	-47
Carboxylate				<b>---</b>	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	240	<b>43</b>	41	42
Phosphorus	ppm	ASTM D5185(m)	0	<b>63</b>	52	11
Boron	ppm	ASTM D5185(m)		<b>1477</b>	1804	1785
Molybdenum	ppm	ASTM D5185(m)		<b>21</b>	18	0

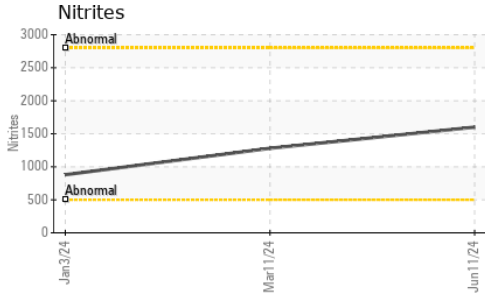
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	▲ 21	▲ 99
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Zinc	ppm	ASTM D5185(m)		<b>1</b>	1	0

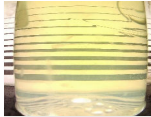



CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		<b>7964</b>	11099	10678
Potassium	ppm	ASTM D5185(m)		<b>228</b>	285	493

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<b>3</b>	2	4
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	2
Hardness	mg/L CaCO3	In-house*	<75	<b>10</b>	7	16

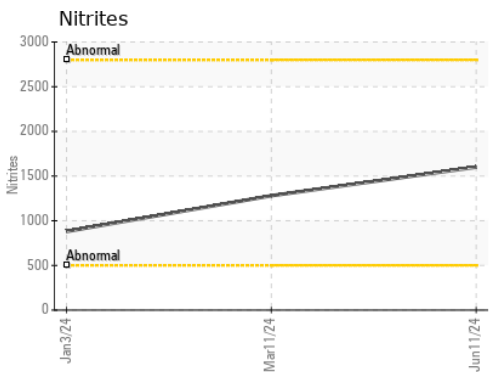
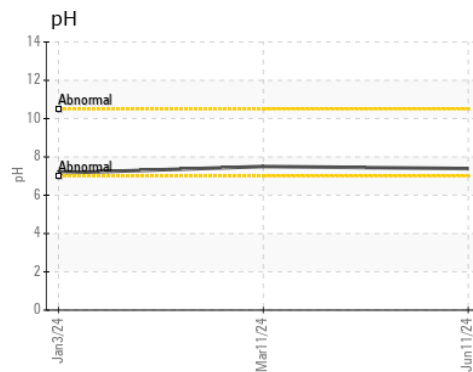
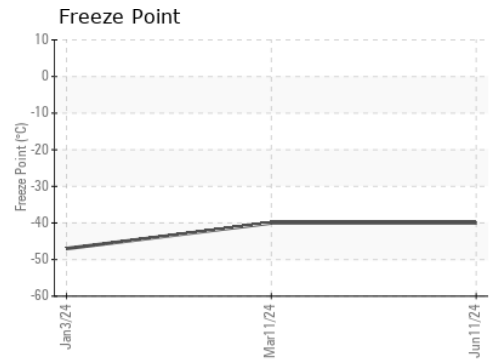
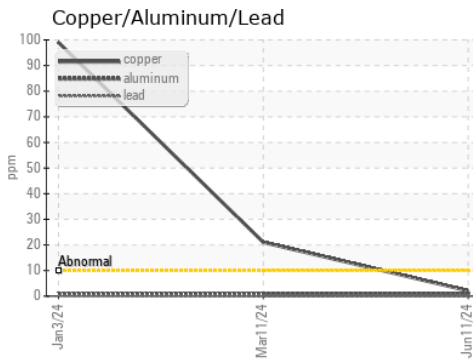
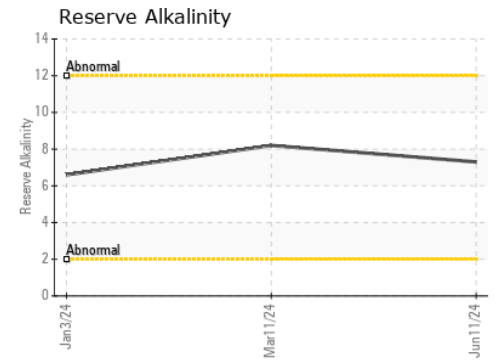
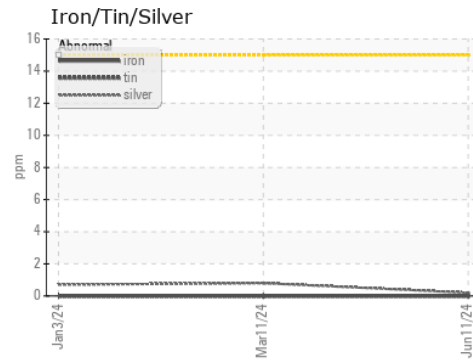


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Yello	<b>Yellow</b>	Grn/Yellow	Green
Coolant Appearance	Visual*	Clear	<b>Clear</b>	▲ Cloudy	Clear
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0940241 **Received** : 13 Jun 2024  
**Lab Number** : 02641859 **Tested** : 14 Jun 2024  
**Unique Number** : 5799398 **Diagnosed** : 14 Jun 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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