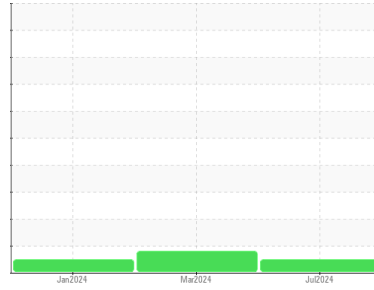




# COOLANT REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**MERCEDES C8-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>WC0955197</b>	WC0914029	WC0891341
Sample Date	Client Info			<b>01 Jul 2024</b>	27 Mar 2024	03 Jan 2024
Machine Age	hrs	Client Info		<b>0</b>	1771	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	NORMAL

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>	1.073	1.073
pH	Scale 0-14	ASTM D1287*	8.0	<b>7.24</b>	7.44	7.10
Nitrites	ppm	Alcan Test Kit*		<b>1480</b>	880	1280
Reserve Alkalinity	Scale 0-20	ASTM D1121*	10.0	<b>7.5</b>	11.4	7.8
Percentage Glycol	%	ASTM D3321*	50	<b>52.6</b>	54.8	54.6
Freezing Point	°C	ASTM D3321*	-36	<b>-40</b>	-43	-45
Carboxylate				<b>---</b>	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	240	<b>53</b>	31	0
Phosphorus	ppm	ASTM D5185(m)	0	<b>20</b>	22	<1
Boron	ppm	ASTM D5185(m)		<b>1597</b>	1461	0
Molybdenum	ppm	ASTM D5185(m)		<b>1</b>	0	0

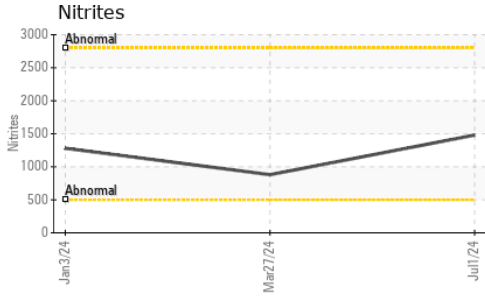
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	2	0
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	▲ 19	0
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Zinc	ppm	ASTM D5185(m)		<b>2</b>	2	<1

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		<b>7078</b>	7251	<1
Potassium	ppm	ASTM D5185(m)		<b>153</b>	400	0

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<b>6</b>	9	<1
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	4	0
Hardness	mg/L CaCO3	In-house*	<75	<b>24</b>	38	1

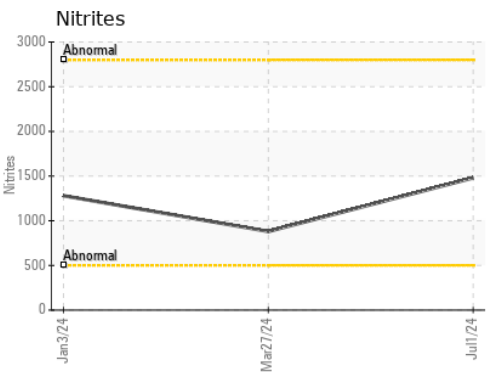
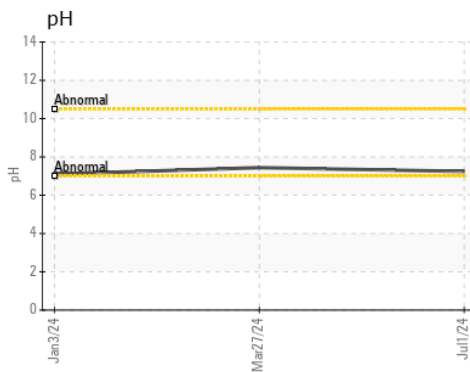
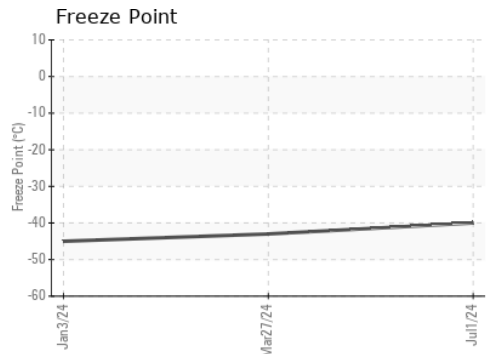
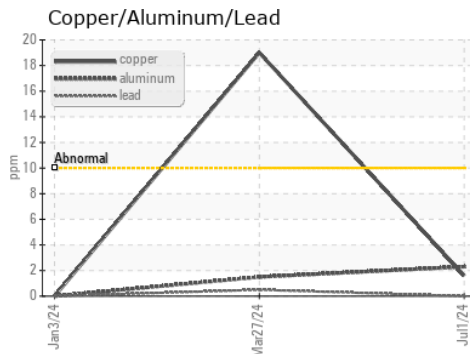
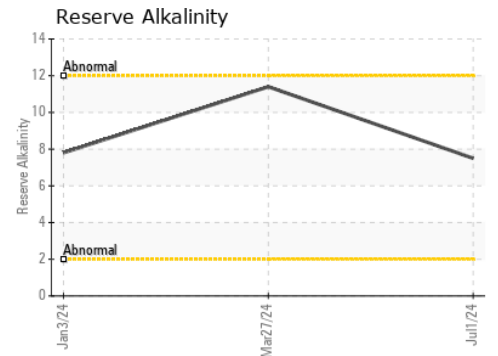
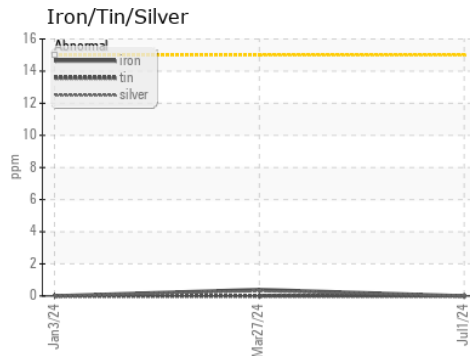


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0955197 **Received** : 03 Jul 2024  
**Lab Number** : 02645332 **Tested** : 05 Jul 2024  
**Unique Number** : 5802871 **Diagnosed** : 05 Jul 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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