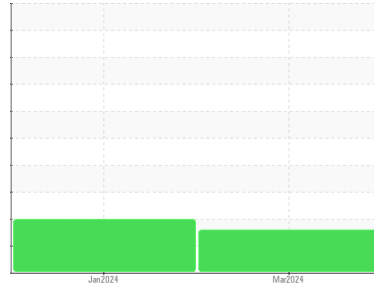




COOLANT REPORT

Sample Rating Trend



APPEARANCE



Machine Id
MERCEDES C6-A

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

DIAGNOSIS

▲ Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition.

▲ Corrosion

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

▲ Contaminants

There is no indication of any contamination in the component(unconfirmed).

Coolant Condition

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. 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	WC0902433	WC0891337	---
Sample Date	Client Info	11 Mar 2024	03 Jan 2024	---
Machine Age	hrs	0	0	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ABNORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	UNK	---	---
Specific Gravity	ASTM D1298*	1.070	1.074	---
pH	Scale 0-14	7.50	▲ 7.16	---
Nitrites	ppm	1280	880	---
Reserve Alkalinity	Scale 0-20	8.2	6.6	---
Percentage Glycol	%	52.9	55.1	---
Freezing Point	°C	-40	-47	---
Boiling Point	°C	108	---	---
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm	41	42	---
Phosphorus	ppm	52	11	---
Boron	ppm	1804	1785	---
Molybdenum	ppm	18	0	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm	0	0	---
Aluminum	ppm	<1	<1	---
Copper	ppm	▲ 21	▲ 99	---
Lead	ppm	0	<1	---
Tin	ppm	0	0	---
Silver	ppm	<1	<1	---
Zinc	ppm	1	0	---

CARRIER SALTS

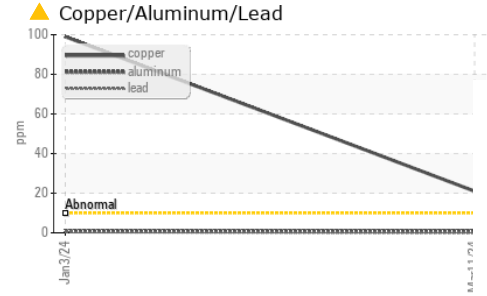
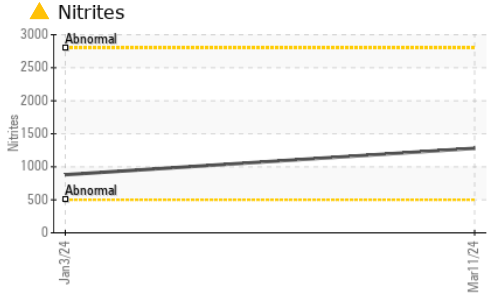
method	limit/base	current	history1	history2
Sodium	ppm	11099	10678	---
Potassium	ppm	285	493	---

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm	2	4	---
Magnesium	ppm	<1	2	---
Hardness	mg/L CaCO3	7	16	---

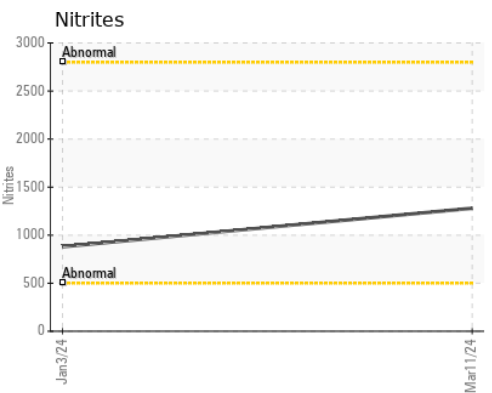
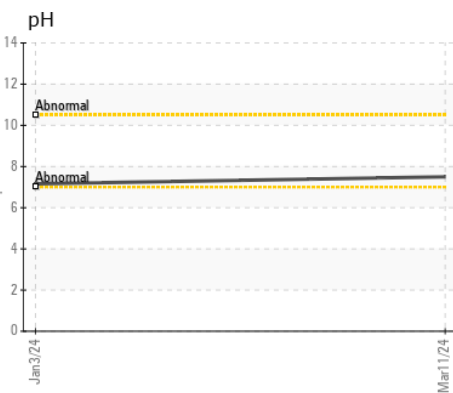
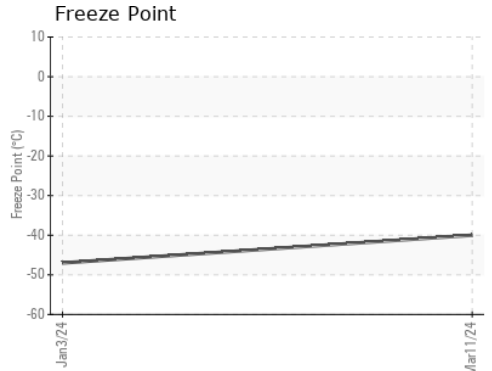
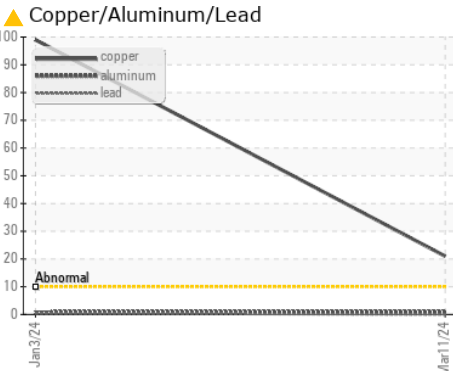
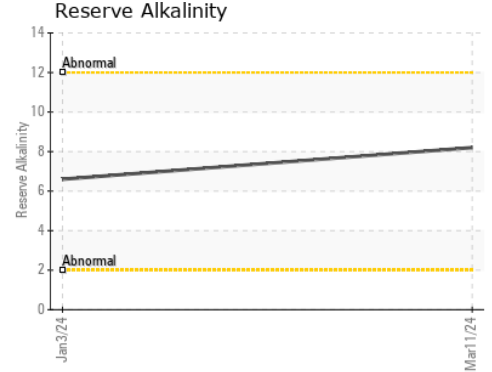
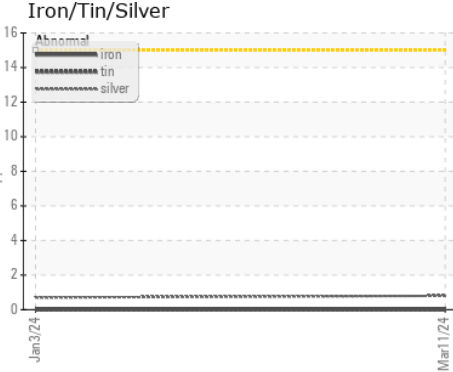


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Yello	Grn/Yellow	Green	---
Coolant Appearance	Visual*	Clear	Cloudy	Clear	---
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0902433 **Received** : 12 Mar 2024
Lab Number : **02621609** **Tested** : 12 Mar 2024
Unique Number : 5746728 **Diagnosed** : 13 Mar 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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