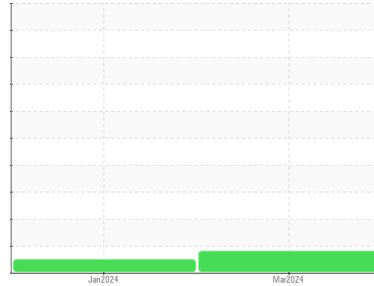




COOLANT REPORT

Sample Rating Trend



WEAR



Machine Id
MERCEDES C8-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 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		WC0914029	WC0891341	---
Sample Date	Client Info		27 Mar 2024	03 Jan 2024	---
Machine Age	hrs	Client Info	1771	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	---	---
Specific Gravity	ASTM D1298*	1.060	1.073	1.073	---
pH	Scale 0-14	ASTM D1287*	7.44	7.10	---
Nitrites	ppm	Alcan Test Kit*	880	1280	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	11.4	7.8	---
Percentage Glycol	%	ASTM D3321*	54.8	54.6	---
Freezing Point	°C	ASTM D3321*	-43	-45	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	240	0	---
Phosphorus	ppm	ASTM D5185(m)	0	<1	---
Boron	ppm	ASTM D5185(m)	1461	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---

CORROSION

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

CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		7251	<1
Potassium	ppm	ASTM D5185(m)		400	0

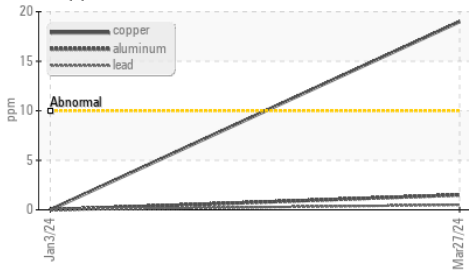
SCALE POTENTIAL

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

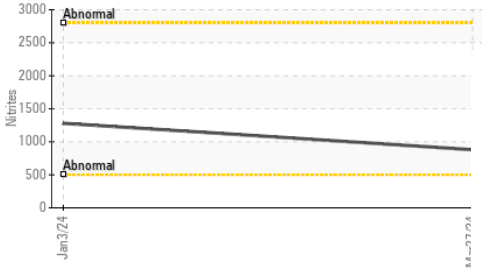


COOLANT REPORT

▲ Copper/Aluminum/Lead



Nitrites

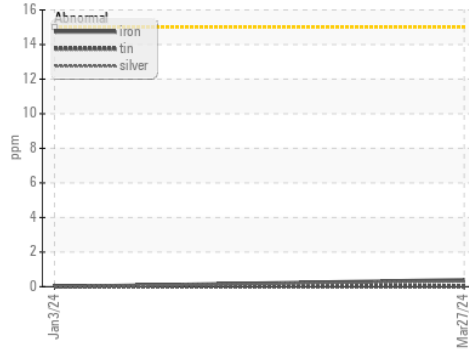


VISUAL

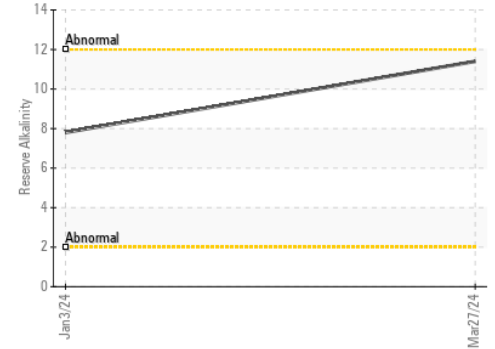
	method	limit/base	current	history1	history2
Coolant Color	Visual*	Yello	Gnn/Yellow	Green	---
Coolant Appearance	Visual*	Clear	Clear	Clear	---
Color					no image
Bottom					no image

GRAPHS

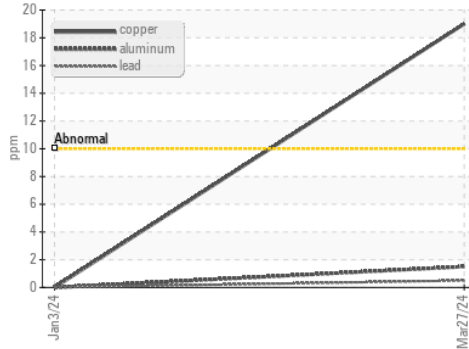
Iron/Tin/Silver



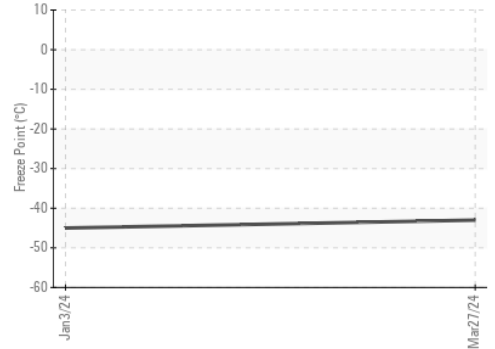
Reserve Alkalinity



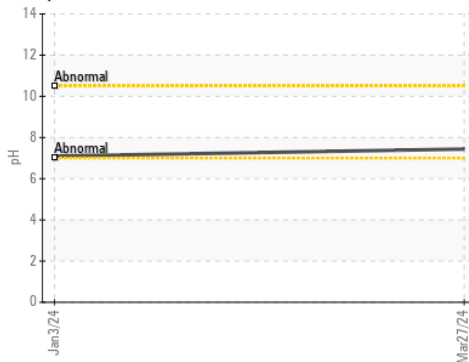
▲ Copper/Aluminum/Lead



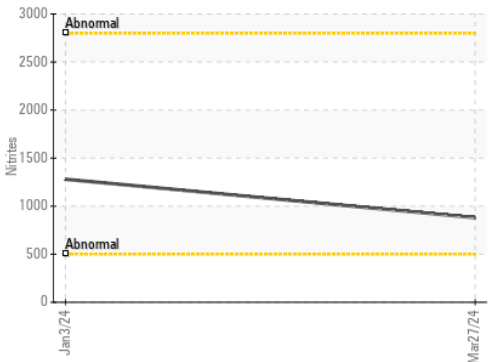
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0914029 **Received** : 01 Apr 2024
Lab Number : **02625818** **Tested** : 03 Apr 2024
Unique Number : 5750937 **Diagnosed** : 03 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

TransitNext M&R Inc
 3110 Albion Road North
 Ottawa, ON
 CA K1V 9V9

Contact: Denis Deschamps
 Denis.Deschamps@atkinsrealis.com

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.

T:
 F: