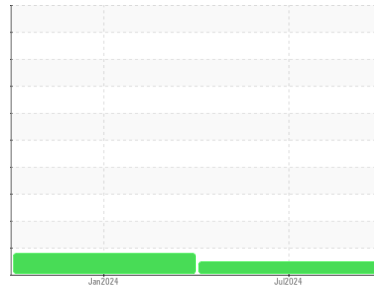




COOLANT REPORT

Sample Rating Trend



NORMAL



Machine Id
MERCEDES C7-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	WC0955158	WC0891339	---
Sample Date	Client Info	04 Jul 2024	03 Jan 2024	---
Machine Age	hrs	Client Info	2866	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2	
Glycol Type	FT-IR	UNK	---	---	
Specific Gravity	ASTM D1298*	1.060	1.070	1.073	
pH	Scale 0-14	ASTM D1287*	8.0	7.25	7.26
Nitrites	ppm	Alcan Test Kit*		1240	1120
Reserve Alkalinity	Scale 0-20	ASTM D1121*	10.0	7.3	7.6
Percentage Glycol	%	ASTM D3321*	50	52.3	54.7
Freezing Point	°C	ASTM D3321*	-36	-40	-45
Carboxylate				---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	240	50	41
Phosphorus	ppm	ASTM D5185(m)	0	18	12
Boron	ppm	ASTM D5185(m)		1526	1627
Molybdenum	ppm	ASTM D5185(m)		0	<1

CORROSION

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>15	0	0
Aluminum	ppm	ASTM D5185(m)	>10	4	2
Copper	ppm	ASTM D5185(m)	>10	7	▲ 19
Lead	ppm	ASTM D5185(m)	>10	0	0
Tin	ppm	ASTM D5185(m)	>10	0	0
Silver	ppm	ASTM D5185(m)	>10	0	<1
Zinc	ppm	ASTM D5185(m)		<1	<1

CARRIER SALTS

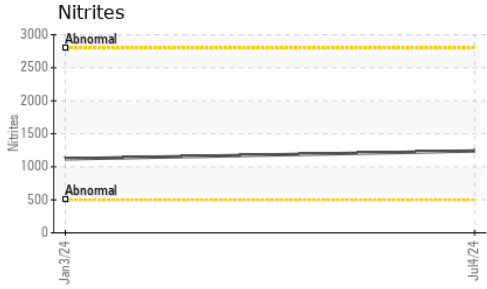
method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)		5926	9845
Potassium	ppm	ASTM D5185(m)		205	613

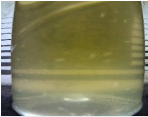

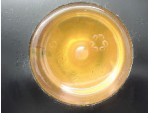

SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	>100	4	4
Magnesium	ppm	ASTM D5185(m)	>40	1	2
Hardness	mg/L CaCO3	In-house*	<75	14	15

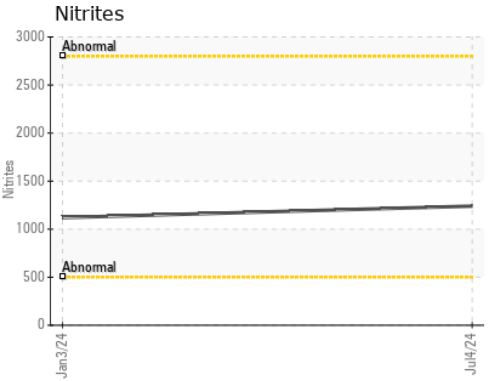
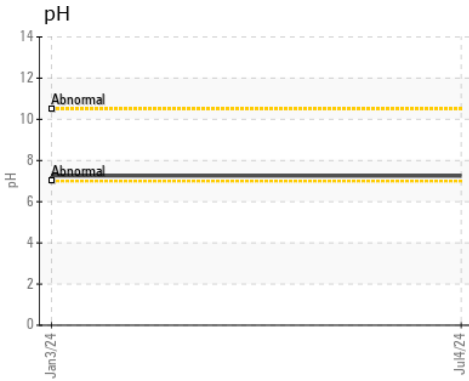
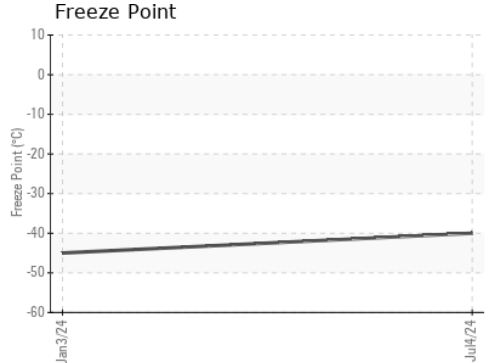
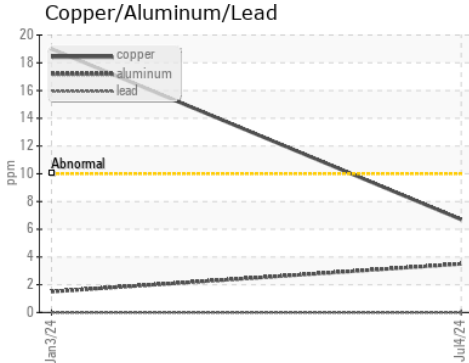
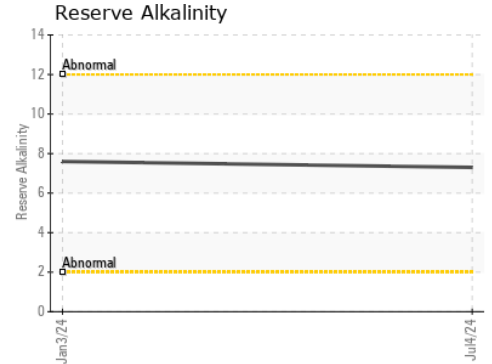
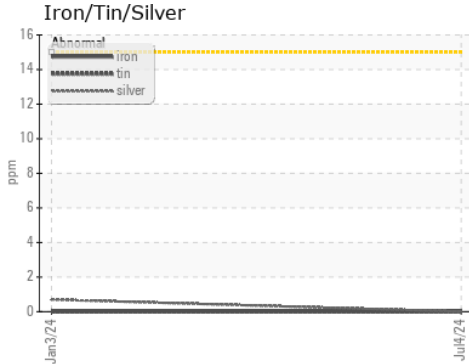


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0955158 **Received** : 05 Jul 2024
Lab Number : 02645991 **Tested** : 08 Jul 2024
Unique Number : 5811543 **Diagnosed** : 08 Jul 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

TransitNext M&R Inc
 3110 Albion Road North
 Ottawa, ON
 CA K1V 9V9
 Contact: Glenn Skilton
 Glenn.Skilton@atkinsrealis.com
 T: (613)907-7100
 F:

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.