COOLANT REPORT

Sample Rating Trend

PH

Machine Id
MERCEDES C4-A
Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- 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 is low which causes rust formation. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0891333**	---	---
Sample Date		Client Info		**03 Jan 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

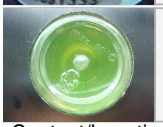
PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		**1.072**	---	---
pH	Scale 0-14	ASTM D1287*	9.5	▲ **7.21**	---	---
Nitrites	ppm	Alcan Test Kit*	1500	**960**	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	**7.3**	---	---
Percentage Glycol	%	ASTM D3321*	50	**53.6**	---	---
Freezing Point	°C	ASTM D3321*	-40	**-43**	---	---
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**45**	---	---
Phosphorus	ppm	ASTM D5185(m)		**13**	---	---
Boron	ppm	ASTM D5185(m)		**1660**	---	---
Molybdenum	ppm	ASTM D5185(m)		**0**	---	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>10	**<1**	---	---
Copper	ppm	ASTM D5185(m)	>10	▲ **91**	---	---
Lead	ppm	ASTM D5185(m)	>10	**<1**	---	---
Tin	ppm	ASTM D5185(m)	>10	**0**	---	---
Silver	ppm	ASTM D5185(m)	>10	**<1**	---	---
Zinc	ppm	ASTM D5185(m)		**2**	---	---

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**10522**	---	---
Potassium	ppm	ASTM D5185(m)		**501**	---	---

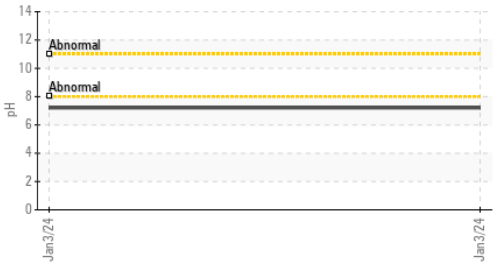
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**7**	---	---
Magnesium	ppm	ASTM D5185(m)	>40	**3**	---	---
Hardness	mg/L CaCO3	In-house*	<75	**28**	---	---

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

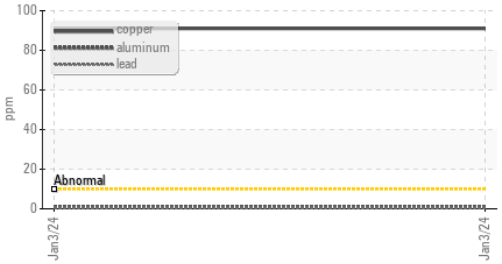
COOLANT REPORT

Nitrites

pH

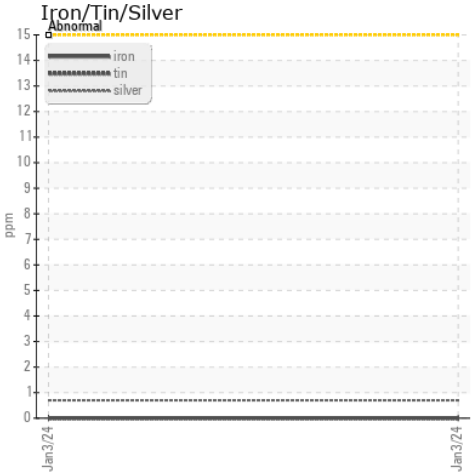


Copper/Aluminum/Lead

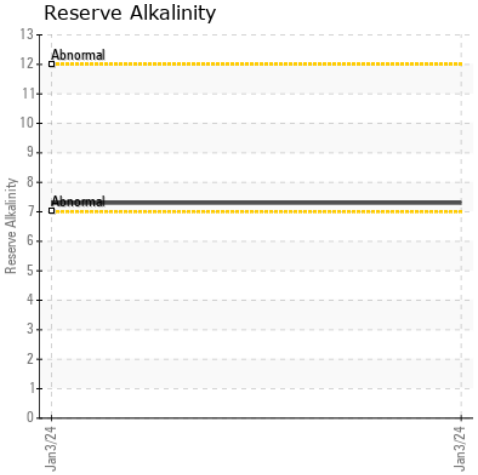


GRAPHS

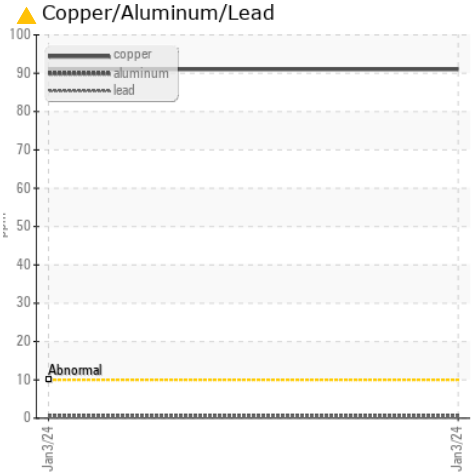
Iron/Tin/Silver



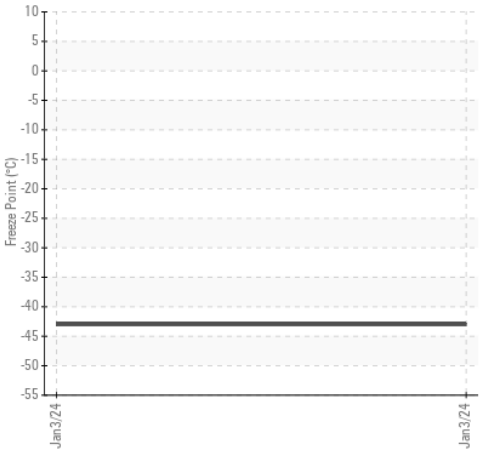
Reserve Alkalinity



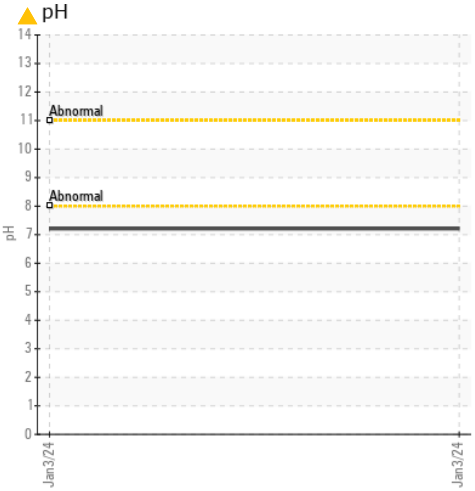
Copper/Aluminum/Lead



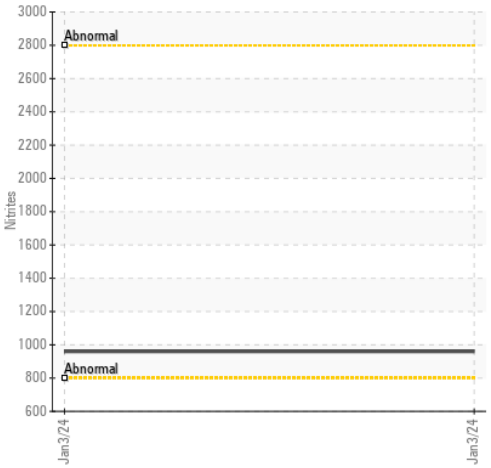
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0891333	**Recieved**	: 04 Jan 2024
Lab Number	: 02606641	**Diagnosed**	: 08 Jan 2024
Unique Number	: 5707727	**Diagnostician**	: Kevin Marson
Test Package	: COOL		

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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