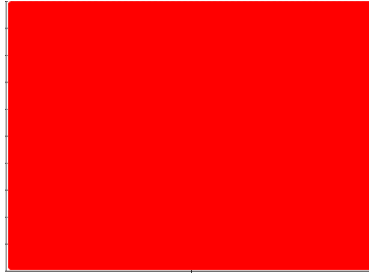




COOLANT REPORT

Sample Rating Trend

VISUAL METAL



Machine Id
WEST AIR COMP

Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for visible metal particles in the coolant. We advise that you check all areas where contaminants can enter the system. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.

▲ Corrosion

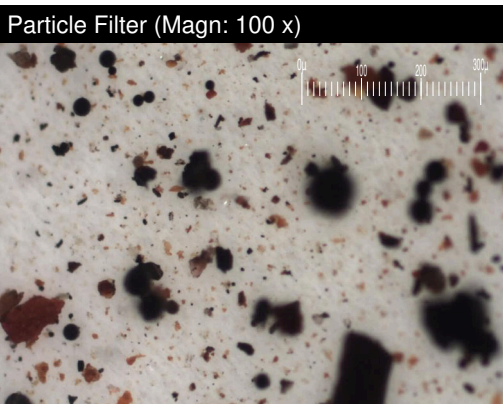
a moderate concentration of ferrous spheres(possibly solder), was filtered from the sample.

Contaminants

There is no indication of any contamination in the coolant.

▲ Coolant Condition

The reserve alkalinity of this fluid is lower than acceptable. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0802603	---	---
Sample Date	Client Info			06 Apr 2023	---	---
Machine Age	hrs	Client Info		2590	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				SEVERE	---	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.063	---	---
pH	Scale 0-14	ASTM D1287*	9.5	9.58	---	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 560	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 6.6	---	---
Percentage Glycol	%	ASTM D3321*	50	46.7	---	---
Freezing Point	°C	ASTM D3321*	-40	-26	---	---
Carboxylate				---	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		5	---	---
Phosphorus	ppm	ASTM D5185(m)		1500	---	---
Boron	ppm	ASTM D5185(m)		11	---	---
Molybdenum	ppm	ASTM D5185(m)		2	---	---

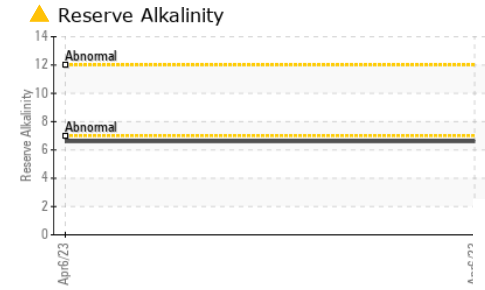
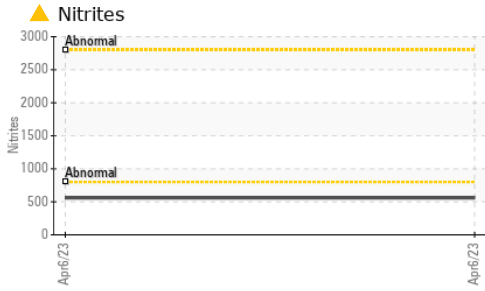
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	1	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>10	2	---	---
Lead	ppm	ASTM D5185(m)	>10	0	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)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

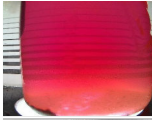

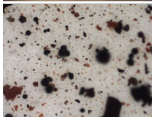
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		169	---	---
Potassium	ppm	ASTM D5185(m)		2768	---	---

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

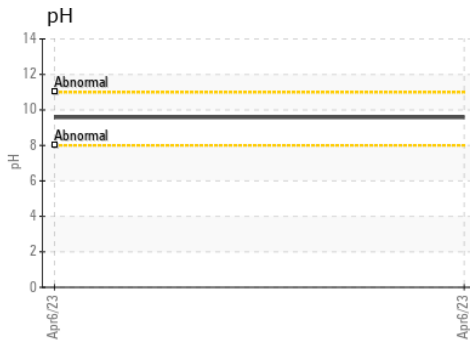
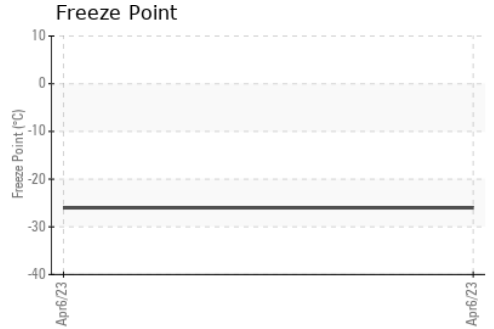
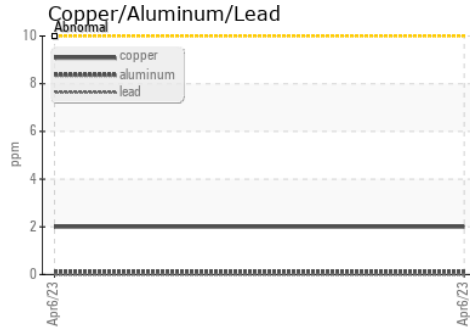
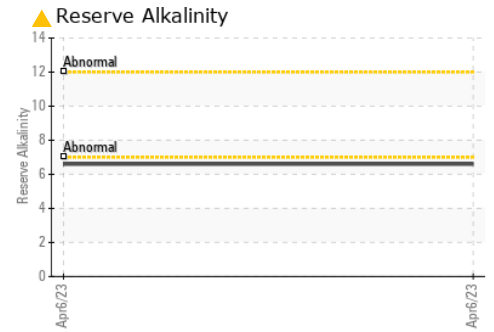
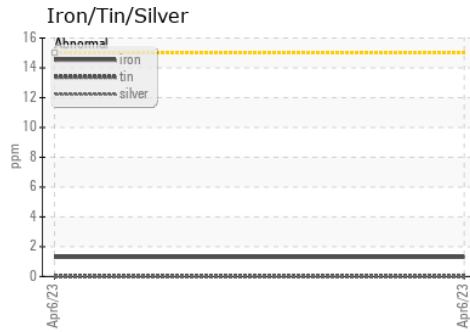


COOLANT REPORT



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

GRAPHS



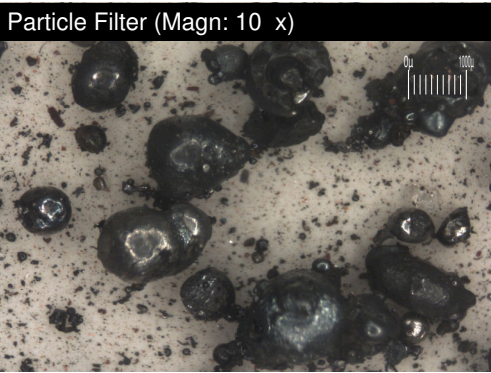
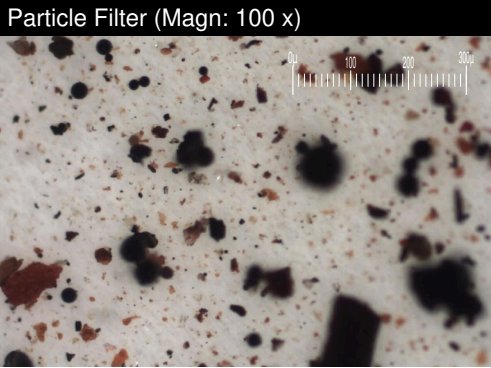
Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0802603 **Received** : 13 Apr 2023
Lab Number : 02551270 **Tested** : 14 Apr 2023
Unique Number : 5564285 **Diagnosed** : 18 Apr 2023 - Kevin Marson
Test Package : COOL (Additional Tests: A-Ferr, Bottom, BottomAnalysis, FilterPatch)

CALEDON SKI CLUB
 17431 MISSISSAUGA ROAD
 CALEDON, ON
 CA L7K 0E9
 Contact: Jamie Sievwright
 jsiewwright@caledonskiclub.on.ca
 T: (519)927-5221
 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.

Machine Id
WEST AIR COMP

Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)



WEAR

a moderate concentration of ferrous spheres(possibly solder), was filtered from the sample.

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