



Machine Id
55106
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (--- GAL)

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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088924	PC0083686	PC0078344
Sample Date		Client Info		11 Jun 2024	04 Feb 2024	30 Aug 2023
Machine Age	hrs	Client Info		1877	0	5620
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	1	5	2
Copper	ppm	ASTM D5185(m)	>10	<1	0	<1
Lead	ppm	ASTM D5185(m)	>10	0	0	0
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	0	1	<1
Zinc	ppm	ASTM D5185(m)	>10	<1	1	0

CONTAMINANTS

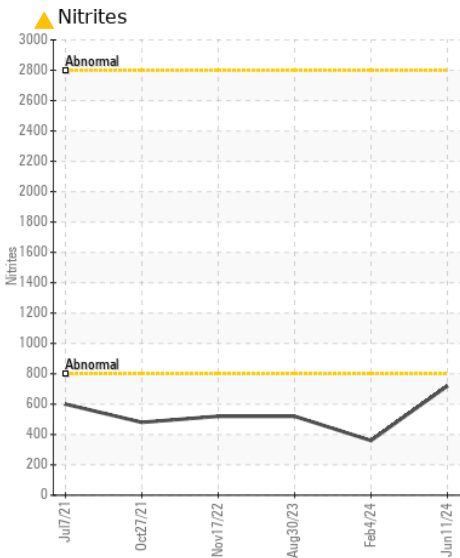
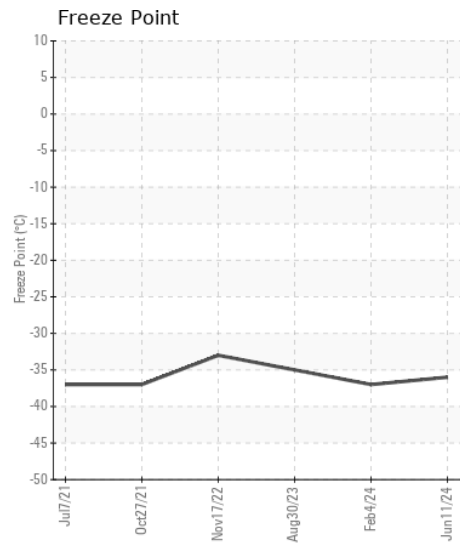
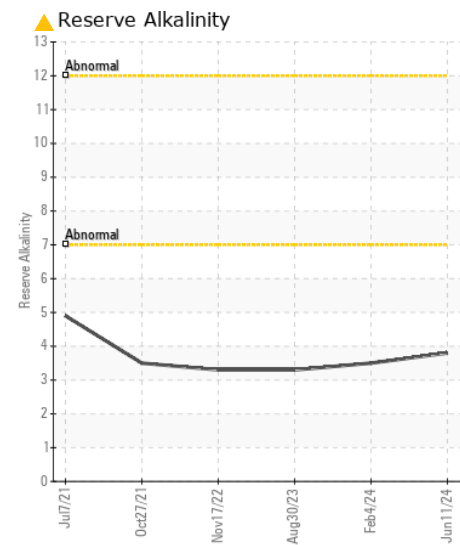
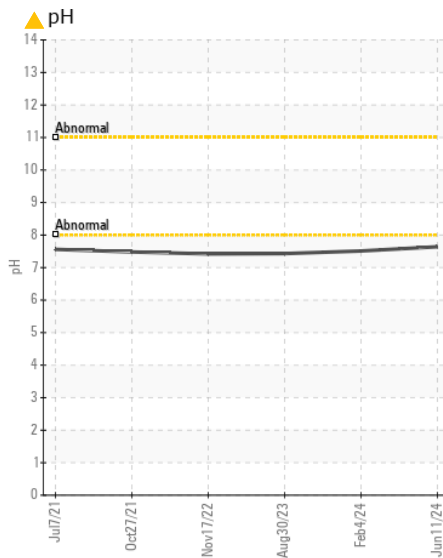
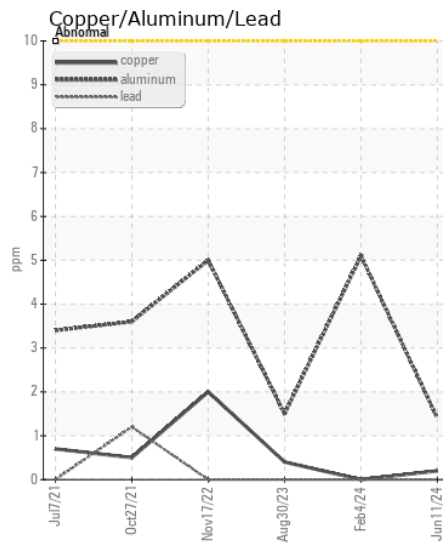
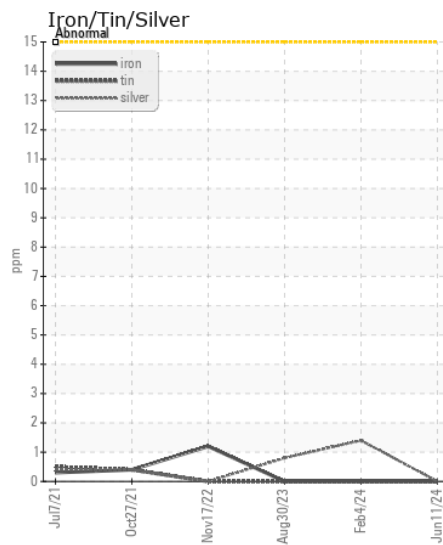
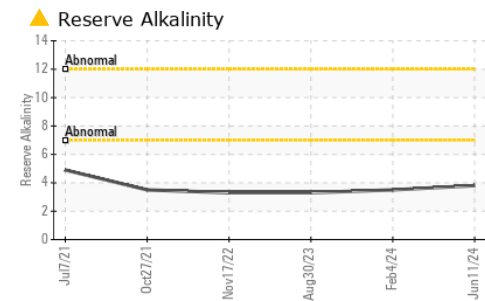
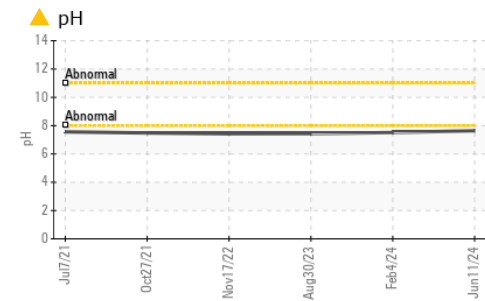
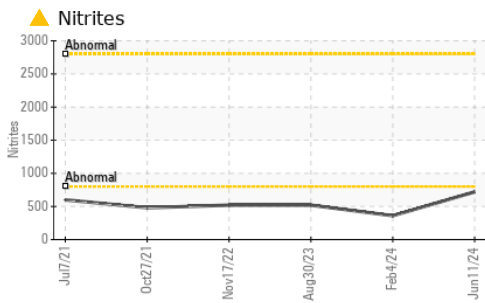
There is no indication of any contamination in the component(unconfirmed).

Calcium	ppm	ASTM D5185(m)	>100	2	10	3
Magnesium	ppm	ASTM D5185(m)	>40	2	3	2
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	▲ Opaque	Clear	Clear

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation.

Boiling Point	°C	WC Method*		107	107	---
Specific Gravity		ASTM D1298*		1.067	1.068	1.068
pH	Scale 0-14	ASTM D1287*	9.5	▲ 7.64	7.51	7.43
Nitrites	ppm	Alcan Test Kit*	1500	▲ 720	360	520
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 3.8	3.5	3.3
Percentage Glycol	%	ASTM D3321*	50	49.9	50.1	50.2
Freezing Point	°C	ASTM D3321*	-40	-36	-37	-35
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		31	6	11
Phosphorus	ppm	ASTM D5185(m)		585	11	472
Boron	ppm	ASTM D5185(m)		29	12	12
Molybdenum	ppm	ASTM D5185(m)		582	619	580
Sodium	ppm	ASTM D5185(m)		4085	9266	7337
Potassium	ppm	ASTM D5185(m)		3426	257	1218
Coolant Color		Visual*	Green	Green	Red	Red



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088924
Lab Number : 02641547
Unique Number : 5799086
Test Package : COOL (Additional Tests: GlycolType)

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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: