



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	ABNORMAL
COOLANT CONDITION	NORMAL

Machine Id
KOHLER Green Shield A
 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. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0849174	WC0870007	---
Sample Date		Client Info		15 Jun 2024	05 Feb 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	NORMAL	---

CORROSION

The iron level is high indicating rust in the system which clogs the cooling system.

Iron	ppm	ASTM D5185(m)	>15	▲ 69	5	---
Aluminum	ppm	ASTM D5185(m)	>10	9	6	---
Copper	ppm	ASTM D5185(m)	>10	3	0	---
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)	>10	2	<1	---

CONTAMINANTS

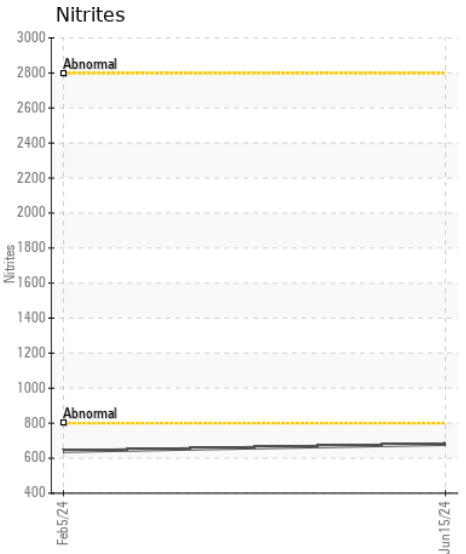
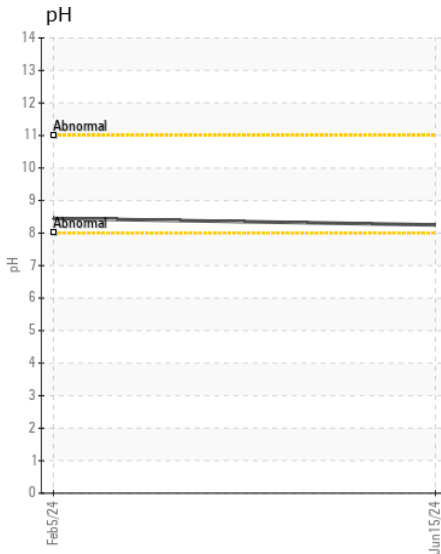
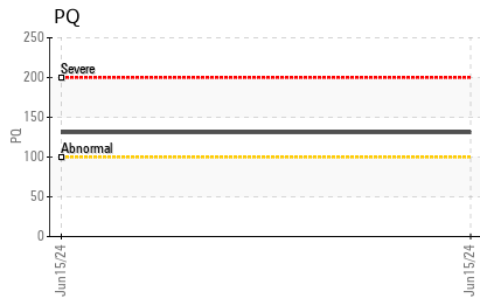
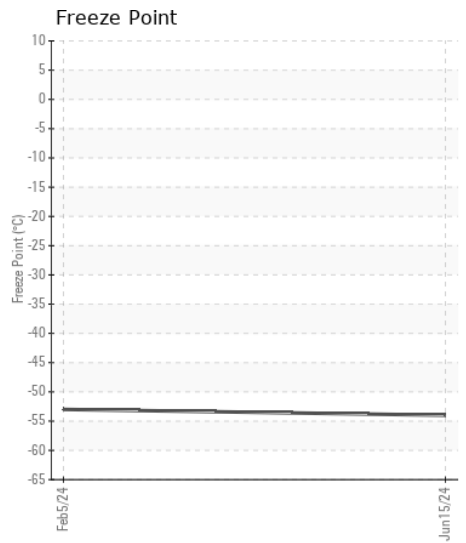
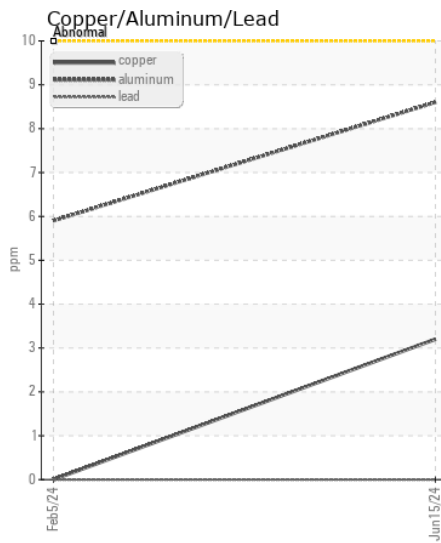
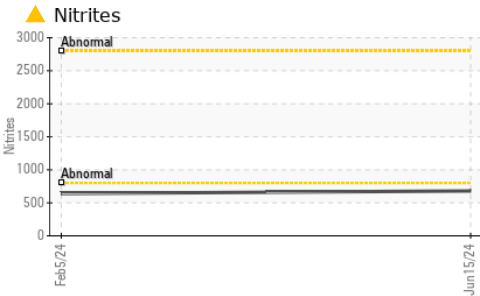
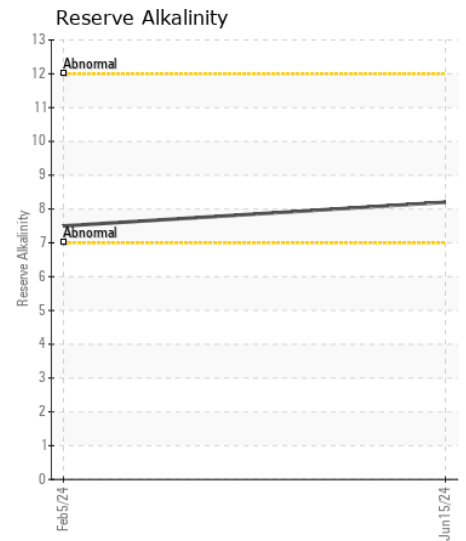
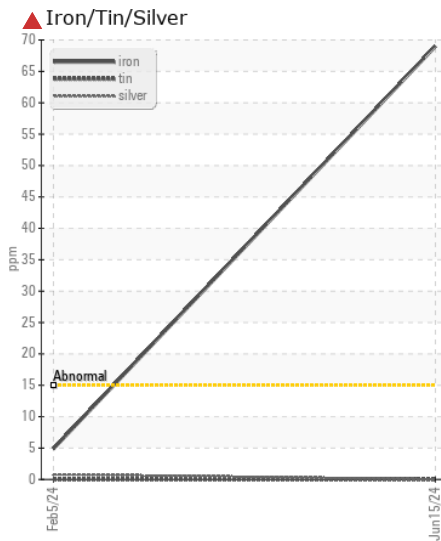
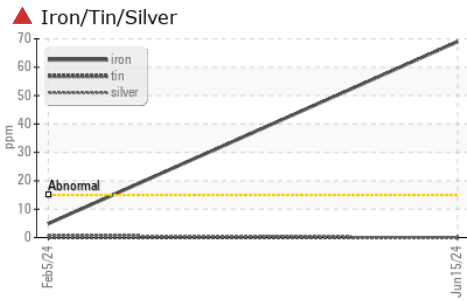
There is no indication of any contamination in the component(unconfirmed).

Calcium	ppm	ASTM D5185(m)	>100	<1	2	---
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	---
Appearance	scalar	Visual*	NORML	▲ HAZY	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	▲ Opaque	Cloudy	---

COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		113	112	---
Specific Gravity		ASTM D1298*		1.086	1.084	---
pH	Scale 0-14	ASTM D1287*	9.5	8.25	8.45	---
Nitrites	ppm	Alcan Test Kit*	1500	680	640	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	8.2	7.5	---
Percentage Glycol	%	ASTM D3321*	50	66.6	64.6	---
Freezing Point	°C	ASTM D3321*	-40	-54	-53	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		12	10	---
Phosphorus	ppm	ASTM D5185(m)		26	7	---
Boron	ppm	ASTM D5185(m)		613	642	---
Molybdenum	ppm	ASTM D5185(m)		12	9	---
Sodium	ppm	ASTM D5185(m)		2642	3058	---
Potassium	ppm	ASTM D5185(m)		2789	3201	---
Coolant Color		Visual*	Green	Green	Green	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0849174 **Received** : 19 Jun 2024
Lab Number : 02643045 **Tested** : 21 Jun 2024
Unique Number : 5800584 **Diagnosed** : 21 Jun 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, PQ)

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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.