

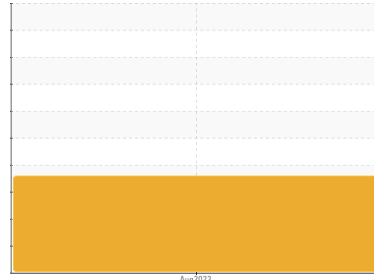


COOLANT REPORT

Sample Rating Trend

SCAS

Machine Id
KUBOTA R540 WL0462
 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. 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 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 level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0082097	---	---
Sample Date	Client Info	17 Aug 2023	---	---
Machine Age	hrs	Client Info	1547	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	Not Changed	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2	
Specific Gravity	ASTM D1298*	1.067	---	---	
pH	Scale 0-14	ASTM D1287* 9.5	8.54	---	---
Nitrites	ppm	Alcan Test Kit* 1500	▲ 400	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121* 8.5	▲ 3.8	---	---
Percentage Glycol	%	ASTM D3321* 50	49.6	---	---
Freezing Point	°C	ASTM D3321* -40	-33	---	---
Carboxylate			---	---	

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	31	---	---
Phosphorus	ppm	ASTM D5185(m)	44	---	---
Boron	ppm	ASTM D5185(m)	67	---	---
Molybdenum	ppm	ASTM D5185(m)	11	---	---

CORROSION

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

CARRIER SALTS



method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)	555	---	---
Potassium	ppm	ASTM D5185(m)	8433	---	---

SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m) >100	14	---	---
Magnesium	ppm	ASTM D5185(m) >40	2	---	---
Hardness	mg/L CaCO3	In-house* <75	41	---	---

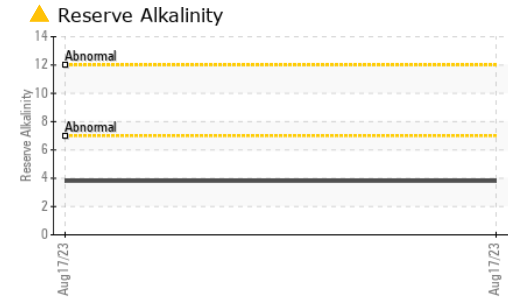
VISUAL

method	limit/base	current	history1	history2	
Coolant Color	Visual*	Green	Other	---	---
Coolant Appearance	Visual*	Clear	▲ Opaque	---	---

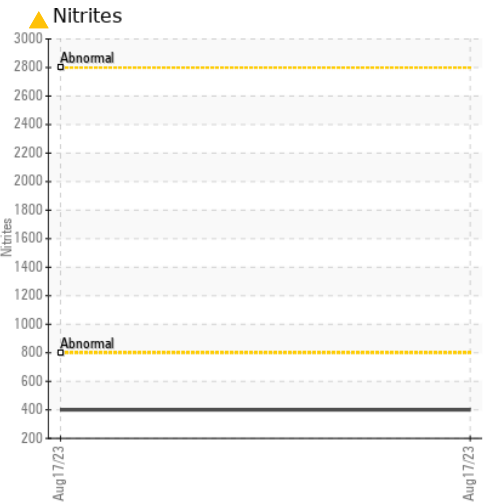
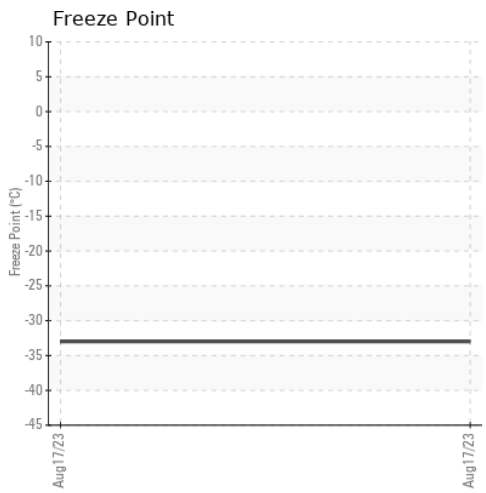
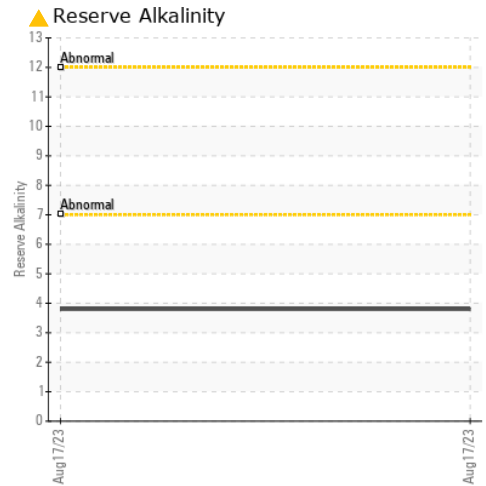
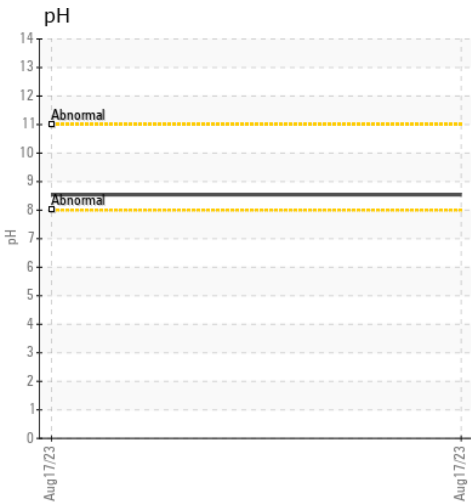
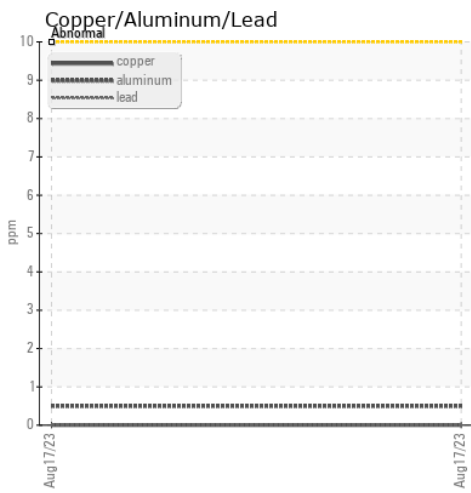
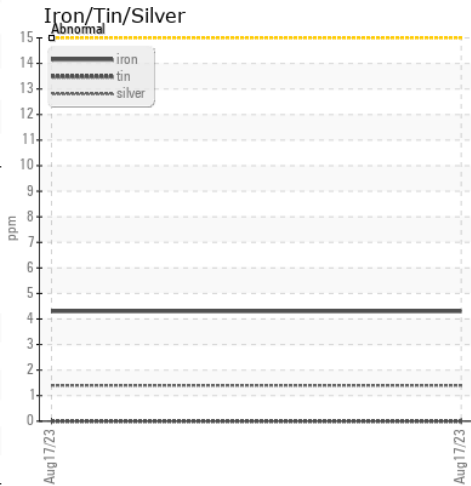
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COOLANT REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0082097
Lab Number : 02579527
Unique Number : 5632587
Test Package : COOL

Received : 30 Aug 2023
Diagnosed : 31 Aug 2023
Diagnostician : Kevin Marson

GFL Environmental - 527
 449 Feldman Rd.
 Timmins, ON
 CA P4N 7E2
 Contact: Martin St-Pierre
 martinstpierre@gflenv.com
 T: (705)264-8700
 F: (705)264-8701

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.