



COOLANT REPORT

CORROSION	ABNORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Machine Id
CUMMINS 1670 - PORTABLE GENSET 2

Component
Coolant
Fluid
HYBRID (HOAT) COOLANT (--- LTR)

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		WC0896286	WC0774096	WC0655200
Sample Date		Client Info		27 Mar 2024	21 Mar 2023	17 May 2022
Machine Age	hrs	Client Info		593	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

CORROSION

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	1	<1
Aluminum	ppm	ASTM D5185(m)	>10	<1	1	2
Copper	ppm	ASTM D5185(m)	>10	▲ 13	▲ 16	▲ 14
Lead	ppm	ASTM D5185(m)	>10	7	10	▲ 10
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<1	1	<1
Zinc	ppm	ASTM D5185(m)	>10	1	2	1

CONTAMINANTS

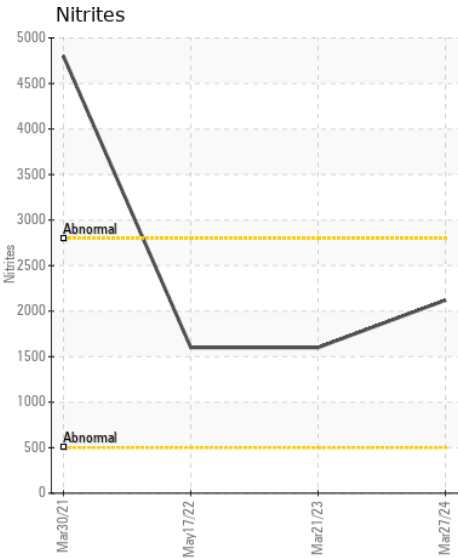
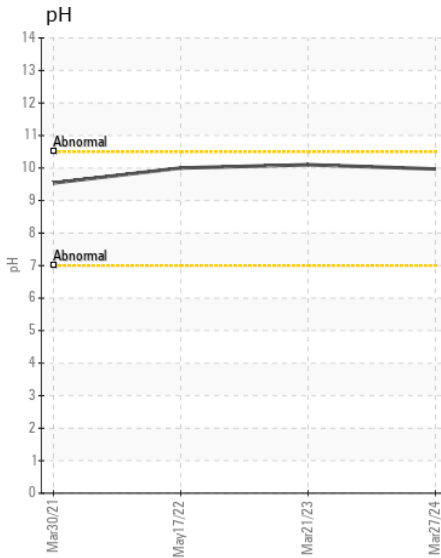
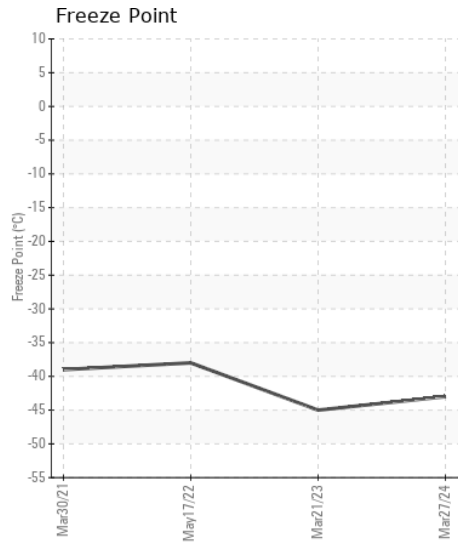
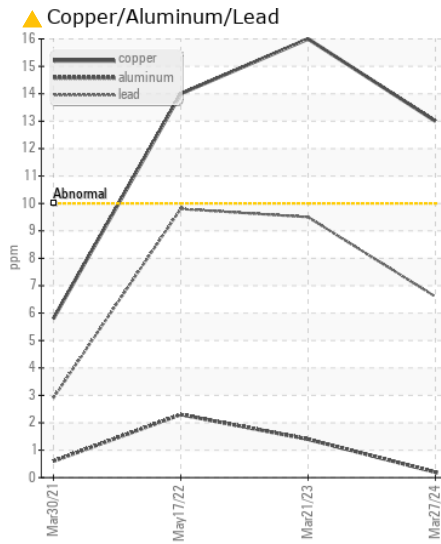
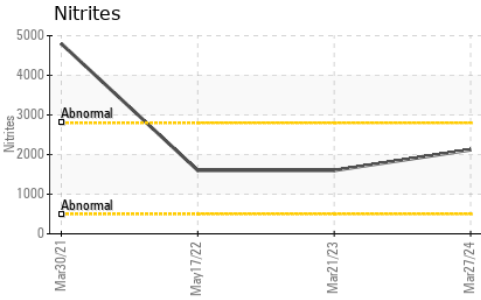
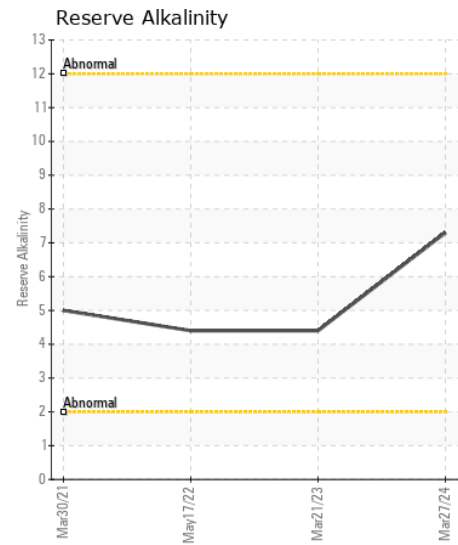
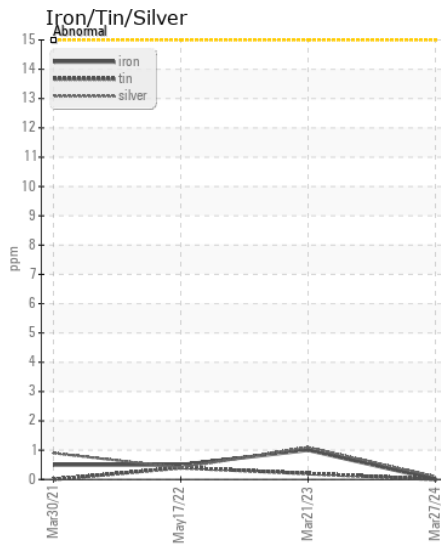
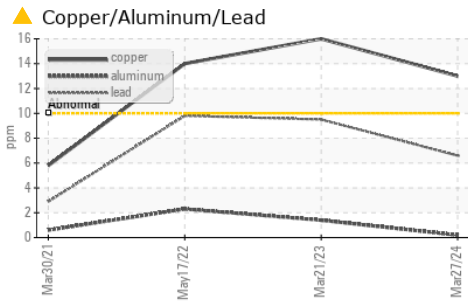
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	3	0	4
Magnesium	ppm	ASTM D5185(m)	>40	1	2	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.073	1.073	1.069
pH	Scale 0-14	ASTM D1287*		9.97	10.1	10.0
Nitrites	ppm	Alcan Test Kit*		2120	1600	1600
Reserve Alkalinity	Scale 0-20	ASTM D1121*		7.3	4.4	4.4
Percentage Glycol	%	ASTM D3321*		54.9	54.7	51.1
Freezing Point	°C	ASTM D3321*		-43	-45	-38
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		30	57	54
Phosphorus	ppm	ASTM D5185(m)		36	81	80
Boron	ppm	ASTM D5185(m)		168	222	219
Molybdenum	ppm	ASTM D5185(m)		20	52	50
Sodium	ppm	ASTM D5185(m)		1805	1693	1469
Potassium	ppm	ASTM D5185(m)		1127	1240	1244
Coolant Color		Visual*		Orange	Orange	Pink



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0896286 **Received** : 09 Apr 2024
Lab Number : 02627750 **Tested** : 10 Apr 2024
Unique Number : 5760882 **Diagnosed** : 10 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

Lighthouse Electric
 6714 6th Conc South
 Amherstburg, ON
 CA N9V 0C8
 Contact: Brad Purdie
 brad_lighthouse@hotmail.com
 T: (519)730-1310
 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.