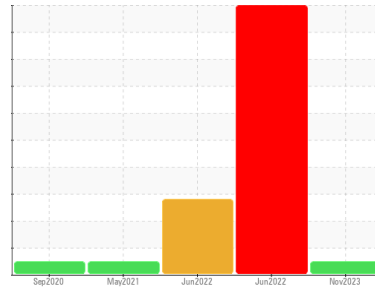




COOLANT REPORT

Sample Rating Trend



NORMAL



Machine Id
MITSUBISHI 1713 - LITTLE RIVER GEN SET #1 - ENGINE

Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

Recommendation

The fluid is suitable for further service. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0876643	WC0706835	WC0706836
Sample Date	Client Info			14 Nov 2023	01 Jun 2022	01 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.073	1.055	1.066
pH	Scale 0-14	ASTM D1287*	9.5	8.36	8.74	8.88
Nitrites	ppm	Alcan Test Kit*	1500	800	▲ 400	▲ 280
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	4.6	▲ 4.2	▲ 4.8
Percentage Glycol	%	ASTM D3321*	50	54.1	40.9	49.1
Freezing Point	°C	ASTM D3321*	-40	-45	-13	-33
Carboxylate				---	---	---

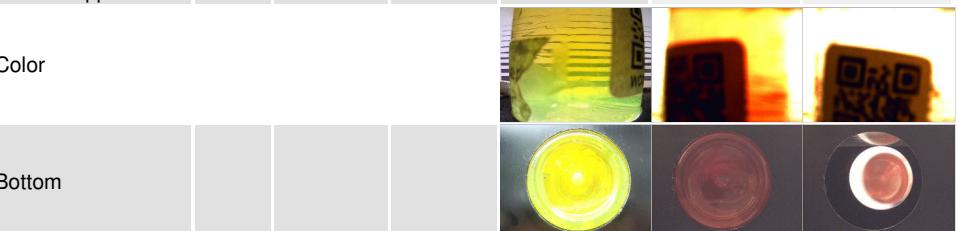
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		4	3	2
Phosphorus	ppm	ASTM D5185(m)		14	7	4
Boron	ppm	ASTM D5185(m)		11	32	20
Molybdenum	ppm	ASTM D5185(m)		3	125	20

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	0	3	2
Copper	ppm	ASTM D5185(m)	>10	0	44	1
Lead	ppm	ASTM D5185(m)	>10	0	2	1
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)		8	109	72

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		186	587	211
Potassium	ppm	ASTM D5185(m)		914	506	689

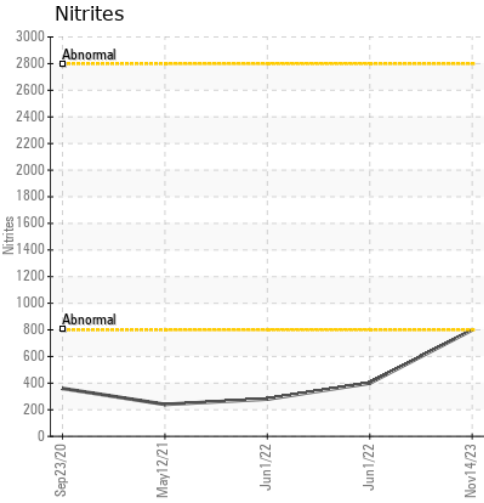
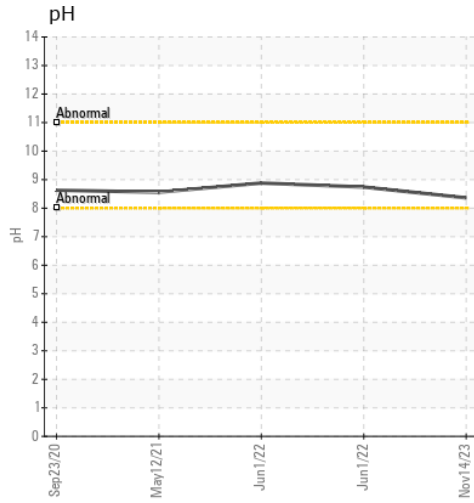
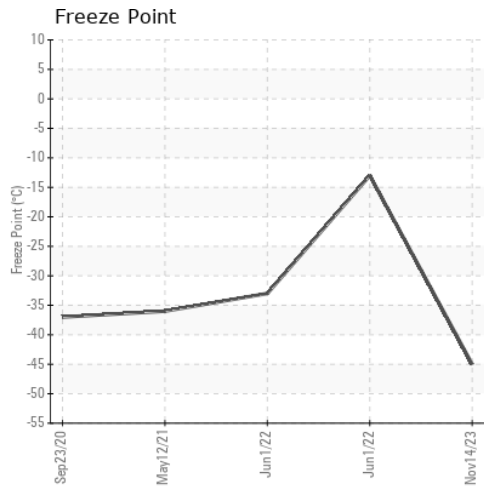
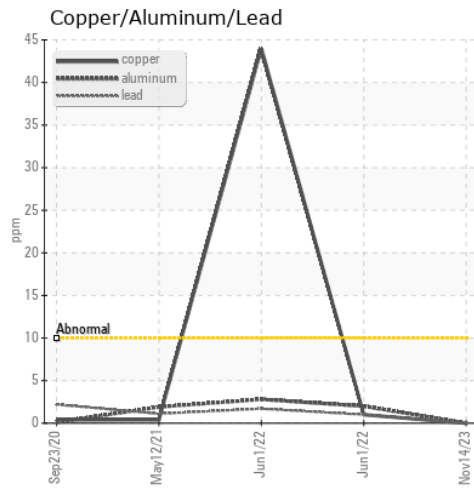
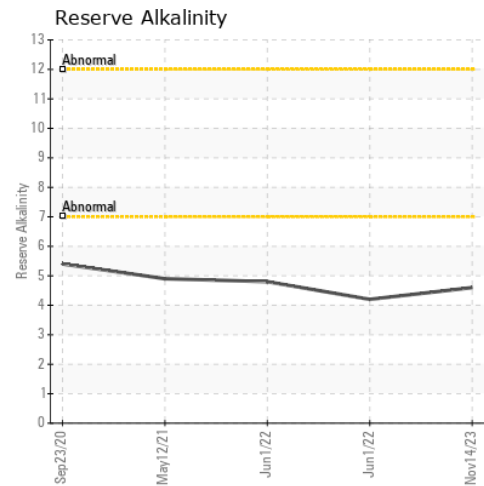
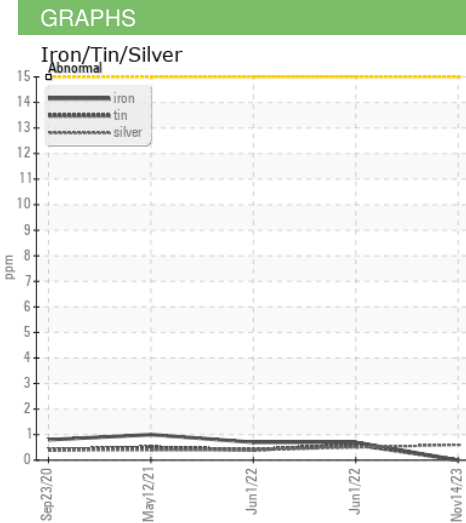
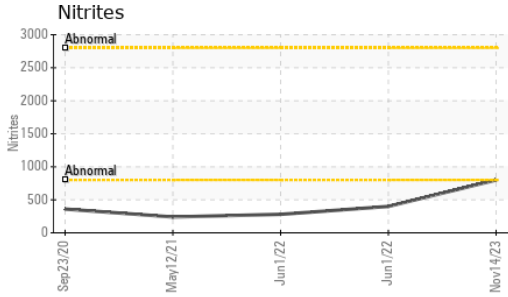
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	3	20	19
Magnesium	ppm	ASTM D5185(m)	>40	<1	7	6
Hardness	mg/L CaCO3	In-house*	<75	10	▲ 77	71

VISUAL		method	limit/base	current	history1	history2
Coolant Color	Visual*	Green		Green	Pink	Pink
Coolant Appearance	Visual*	Clear		Clear	Clear	Clear





COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0876643
Lab Number : 02601718
Unique Number : 5694803
Test Package : COOL

Received : 07 Dec 2023
Diagnosed : 08 Jan 2024
Diagnostician : Kevin Marson

Lighthouse Electric
 6714 6th Conc South
 Amherstburg, ON
 CA N9V 0C8
 Contact: Ken Olesen
 kolesen.lighthouse@gmail.com
 T: (519)730-1310
 F: (519)730-1310

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.