



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
MARS [136033]
 Machine Id
UNIT #1 (S/N 25291377)
 Component
Coolant
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is . Please confirm the coolant type and grade, and specify the brand of the coolant on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0020058	CU0016787	CU0015527
Sample Date		Client Info		07 Sep 2022	04 Jan 2021	23 Dec 2019
Machine Age	hrs	Client Info		355	325	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>15	<1	1	0
Aluminum	ppm	ASTM D5185(m)	>10	2	4	5
Copper	ppm	ASTM D5185(m)	>10	3	2	2
Lead	ppm	ASTM D5185(m)	>10	<1	2	2
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Silver	ppm	ASTM D5185(m)	>10	0	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	1	3	0

CONTAMINANTS

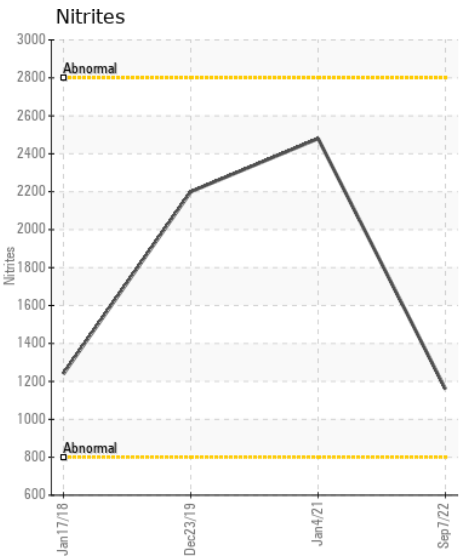
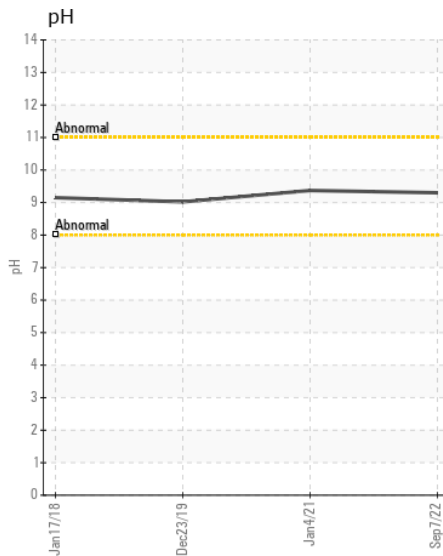
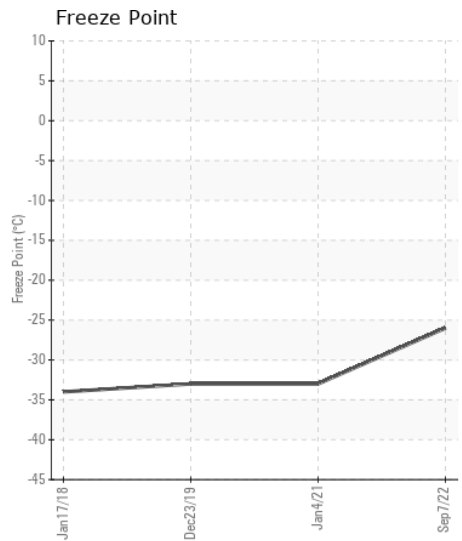
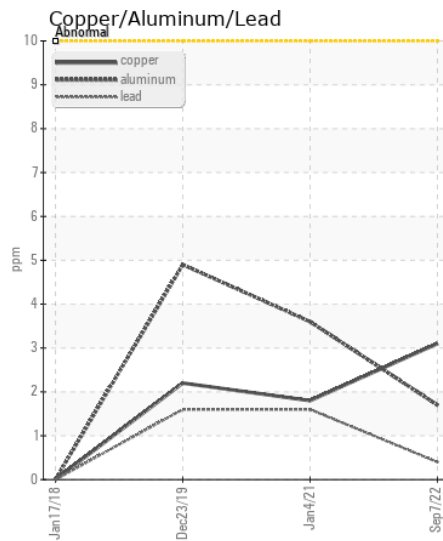
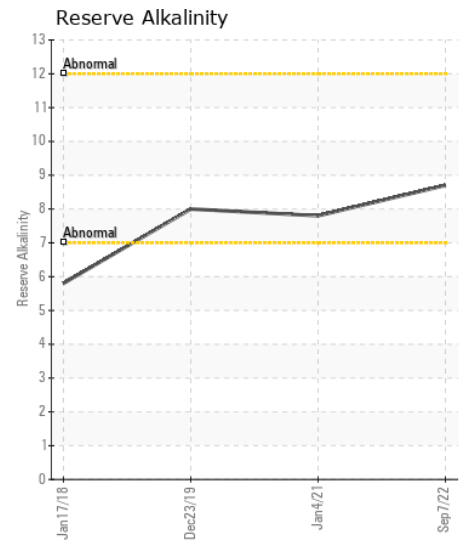
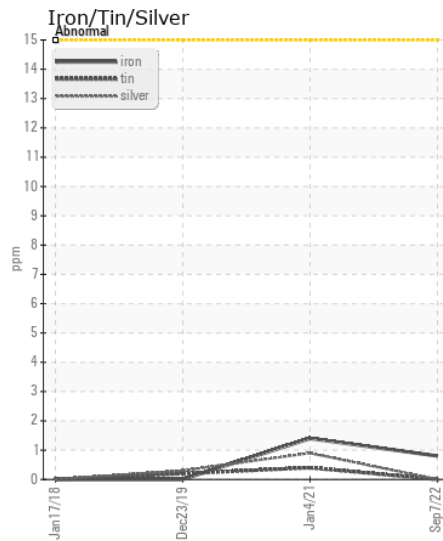
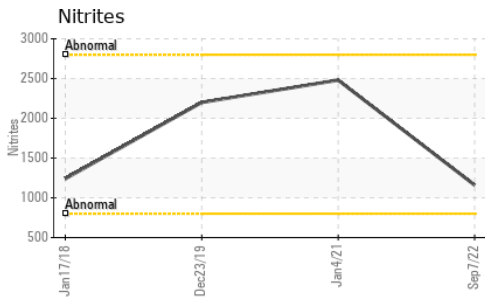
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	4	1
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 condition of the coolant is acceptable for the time in service.

Specific Gravity		ASTM D1298*		1.063	1.064	1.064
pH	Scale 0-14	ASTM D1287*		9.30	9.37	9.02
Nitrites	ppm	Alcan Test Kit*		1160	2480	2200
Reserve Alkalinity	Scale 0-20	ASTM D1121*		8.7	7.8	8.0
Percentage Glycol	%	ASTM D3321*		46.2	47.0	47.0
Freezing Point	°C	ASTM D3321*		-26	-33	-33
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		70	59	68
Phosphorus	ppm	ASTM D5185(m)		1066	1087	1357
Boron	ppm	ASTM D5185(m)		309	312	353
Molybdenum	ppm	ASTM D5185(m)		561	553	612
Sodium	ppm	ASTM D5185(m)		1650	1654	1589
Potassium	ppm	ASTM D5185(m)		3274	4240	4487
Coolant Color		Visual*		Green	Green	Green



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0020058
Lab Number : 02510620
Unique Number : 5451590
Test Package : COOL
Received : 14 Sep 2022
Tested : 14 Sep 2022
Diagnosed : 14 Sep 2022 - Wes Davis

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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.