



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	ABNORMAL

Machine Id
2LP2 – Glycol System (ARE581)
 Component
Coolant
 Fluid
HYBRID (HOAT) 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. Recommend that you ensure the same technology coolant is being used for make-up. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0813783	---	---
Sample Date		Client Info		22 Feb 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	12	---	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---	---
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)	>10	<1	---	---

CONTAMINANTS

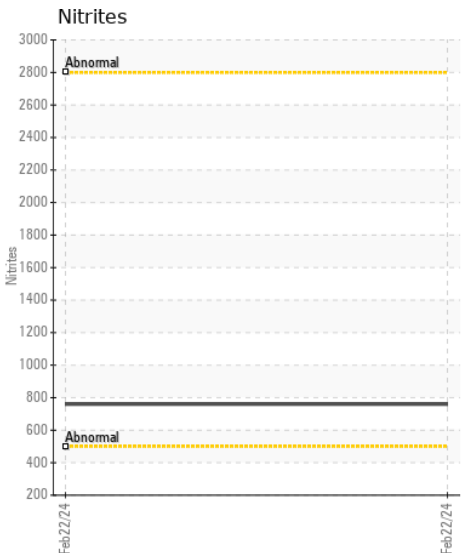
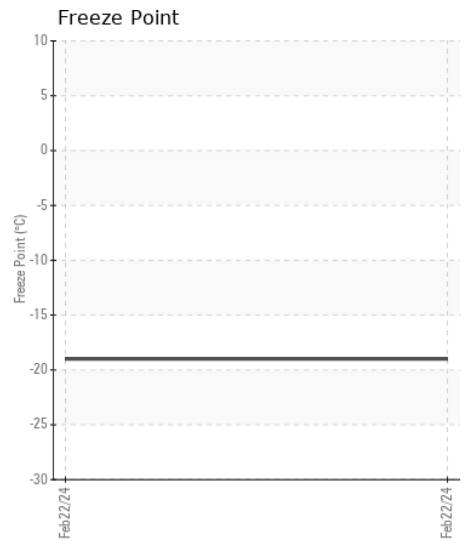
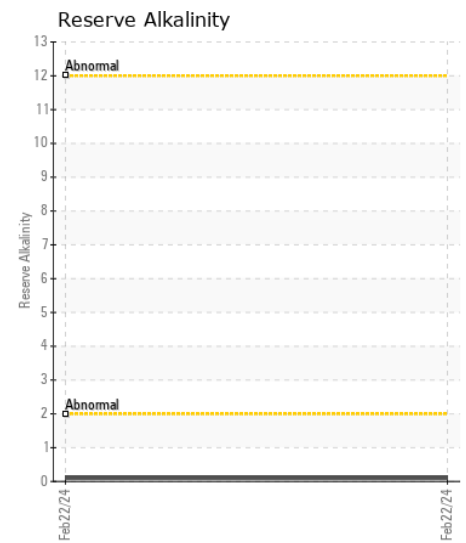
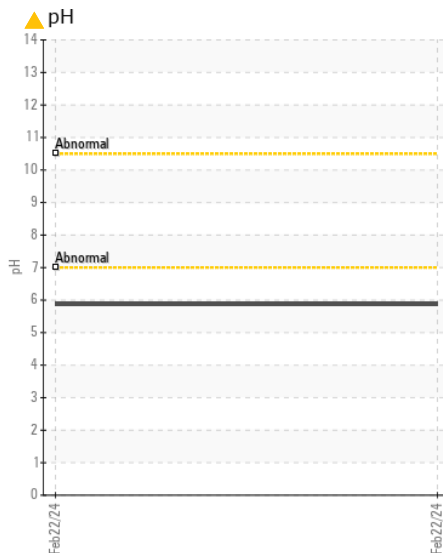
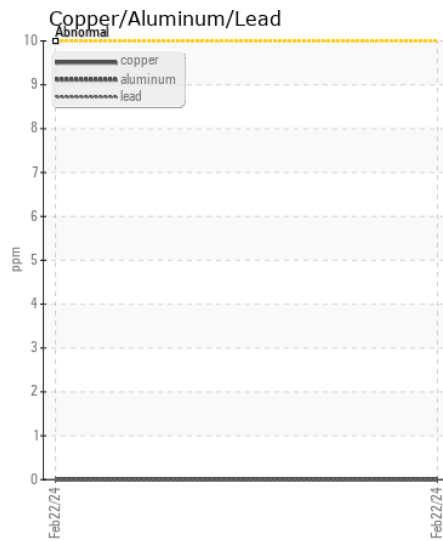
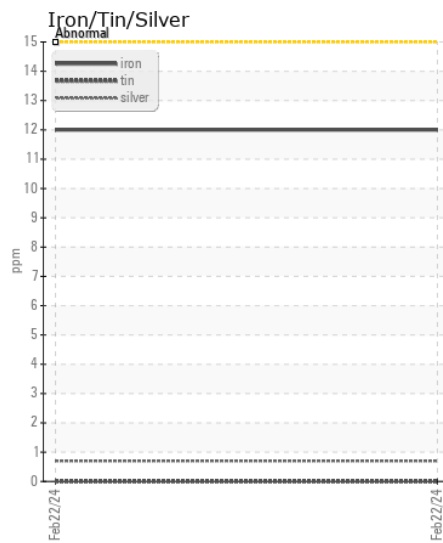
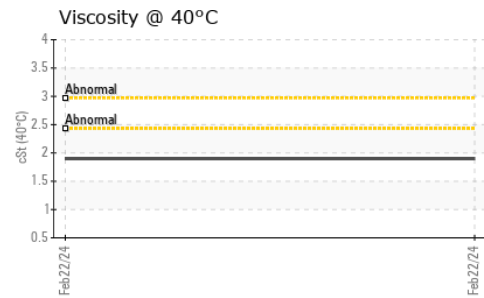
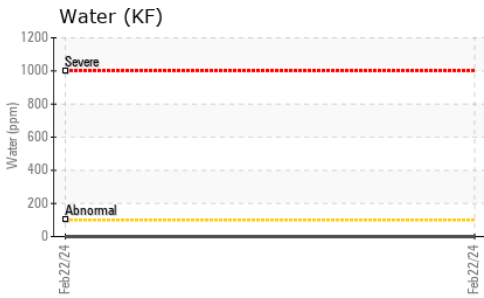
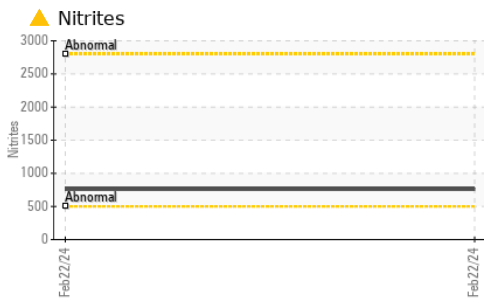
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	6	---	---
Magnesium	ppm	ASTM D5185(m)	>40	2	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	Clear	---	---

COOLANT CONDITION

The nitrite level is acceptable. The pH is low which causes rust formation. The specific gravity is lower than typical indicating the addition of a different type of coolant.

Specific Gravity		ASTM D1298*		▲ 1.048	---	---
pH	Scale 0-14	ASTM D1287*		▲ 5.87	---	---
Nitrites	ppm	Alcan Test Kit*		760	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		0.1	---	---
Percentage Glycol	%	ASTM D3321*		35.5	---	---
Freezing Point	°C	ASTM D3321*		-19	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		<1	---	---
Phosphorus	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)		2	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Sodium	ppm	ASTM D5185(m)		16	---	---
Potassium	ppm	ASTM D5185(m)		115	---	---
Coolant Color		Visual*		Orange	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : WC0813783

Lab Number : 02619415

Unique Number : 5736525

Test Package : COOL (Additional Tests: GlycolType, KF, KV40)

Received : 01 Mar 2024

Tested : 05 Mar 2024

Diagnosed : 05 Mar 2024 - Kevin Marson

ALGOMA STEEL INC. - STORES DEPT.

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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.