



RAPPORT DU LIQUIDE DE REFROIDISSEMENT

CORROSION  
CONTAMINANTS

ÉTAT DU LIQUIDE REFROIDISSEMENT

**ANORMAL**

**NORMAL**

**ANORMAL**

Secteur

**MICHAUDVILLE**

Identité de la machine

**8509**

Composant

**Liquide de refroidissement**

Fluide

**CONVENTIONAL 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. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0082364</b>	PC0065846	PC0053887
Date d'échant.		Client Info		<b>14 Nov 2023</b>	02 Nov 2022	16 Feb 2022
Âge d la Machine	hrs	Client Info		<b>6586</b>	5566	0
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	N/A
Statut de l'échant.				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**CORROSION**

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

Fer	ppm	ASTM D5185(m)	>15	<b>0</b>	3	<1
Aluminium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	2
Cuivre	ppm	ASTM D5185(m)	>10	<b>▲ 14</b>	▲ 17	▲ 13
Plomb	ppm	ASTM D5185(m)	>10	<b>0</b>	1	<1
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>1</b>	8	5

**CONTAMINANTS**

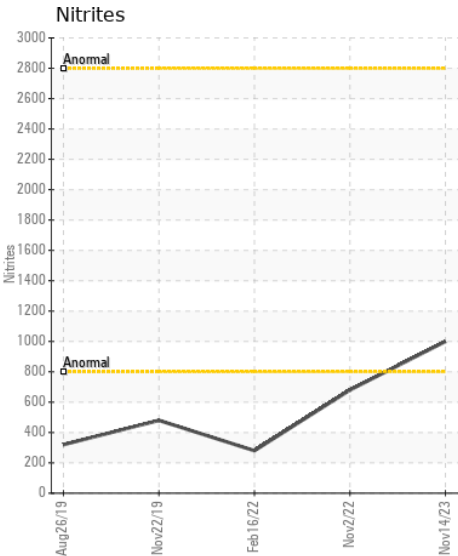
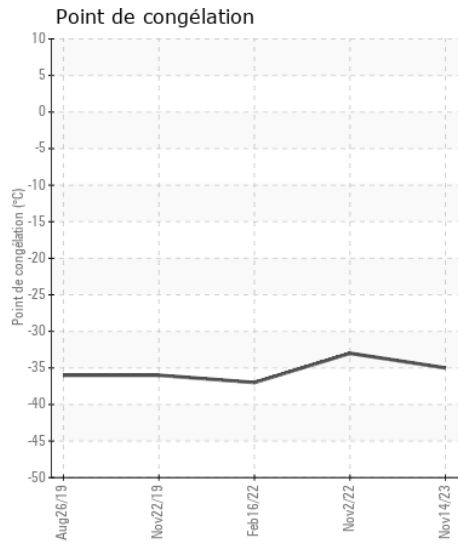
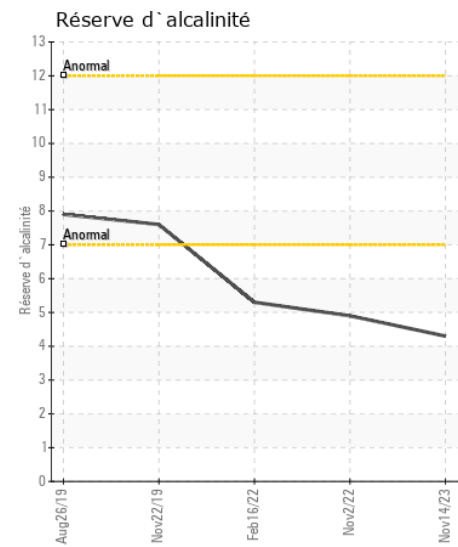
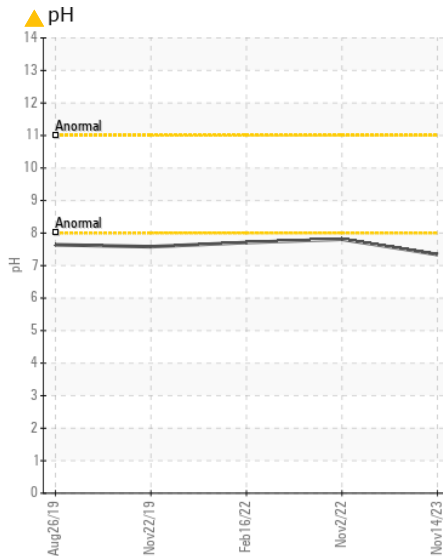
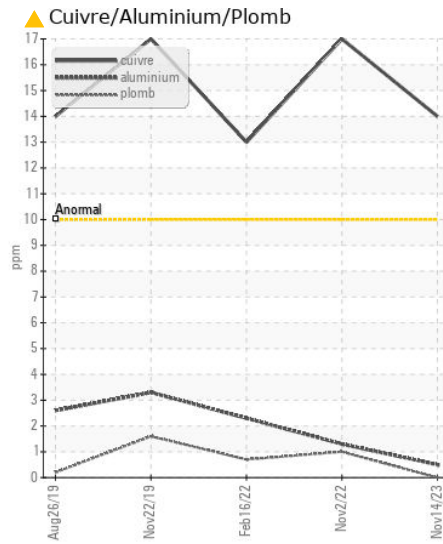
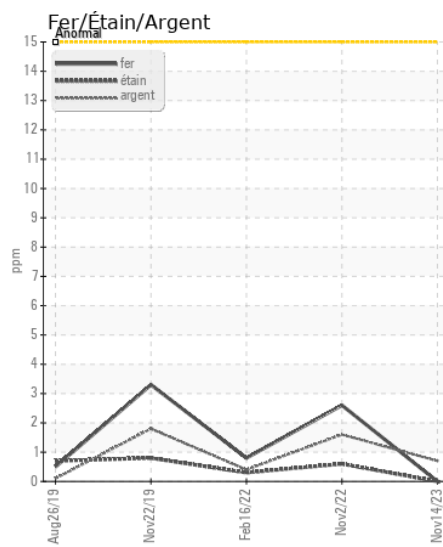
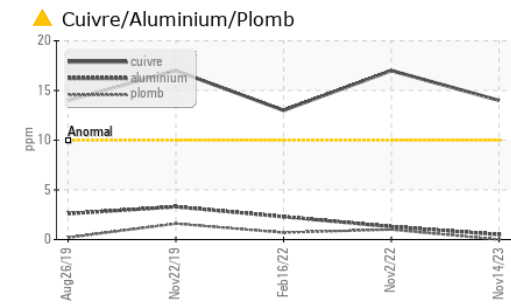
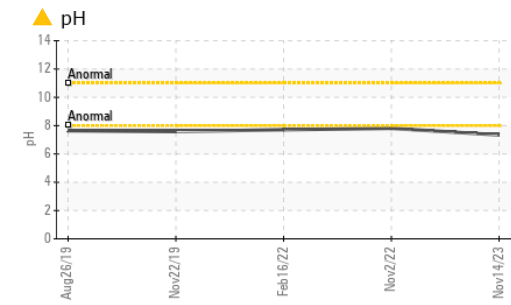
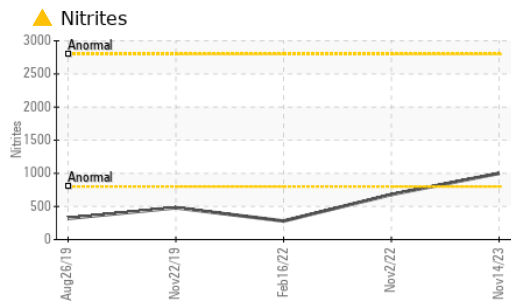
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	7	3
Magnésium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	3	1
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Apparence du liquide de refroidissement		Visual*	Clear	<b>Clear</b>	Clear	Clear

**ÉTAT DU LIQUIDE REFROIDISSEMENT**

The nitrite level is acceptable. The pH is low which causes rust formation.

Densité		ASTM D1298*		<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	<b>▲ 7.34</b>	7.81	7.71
Nitrites	ppm	Alcan Test Kit*	1500	<b>1000</b>	680	280
Réserve d'alcalinité	Scale 0-20	ASTM D1121*	8.5	<b>4.3</b>	4.9	5.3
Pourcentage de glycol	%	ASTM D3321*	50	<b>50.0</b>	49.2	50.0
Point de congélation	°C	ASTM D3321*	-40	<b>-35</b>	-33	-37
Carboxylate				<b>---</b>	---	---
Silicium	ppm	ASTM D5185(m)		<b>46</b>	68	42
Phosphore	ppm	ASTM D5185(m)		<b>149</b>	229	187
Bore	ppm	ASTM D5185(m)		<b>491</b>	613	563
Molybdène	ppm	ASTM D5185(m)		<b>54</b>	72	59
Sodium	ppm	ASTM D5185(m)		<b>3591</b>	2695	1848
Potassium	ppm	ASTM D5185(m)		<b>959</b>	972	828
Couleur du liquide de refroidissement		Visual*	Green	<b>Green</b>	Grn/Yellow	Green



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0082364 **Reçu** : 15 Nov 2023 270 RUE BRUNET  
**N° de laboratoire** : 02596708 **Diagnostiqué** : 16 Nov 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5681788 **Diagnostiqueur** : Kevin Marson CA J3H 0M6  
**Analyse** : COOL

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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