



Secteur

MICHAUDVILLE

Identité de la machine

1504

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.

CORROSION

The iron level is high indicating rust in the system which clogs the cooling system.

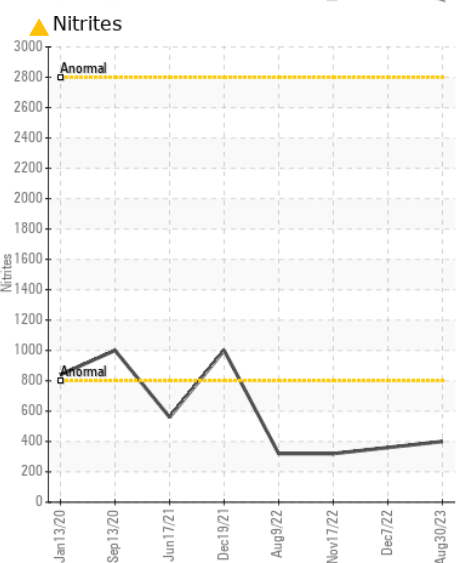
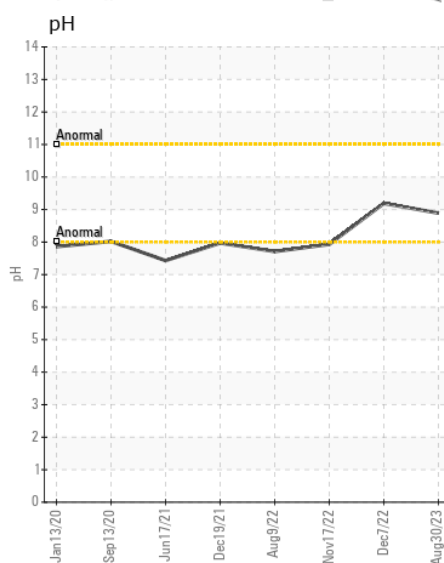
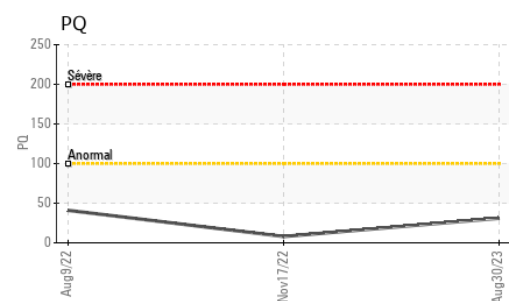
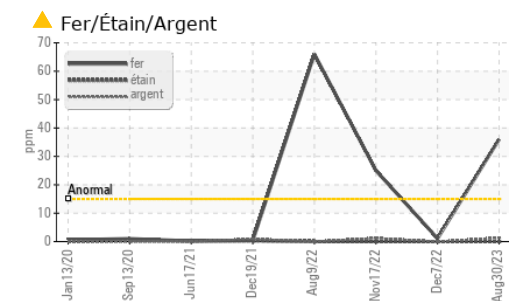
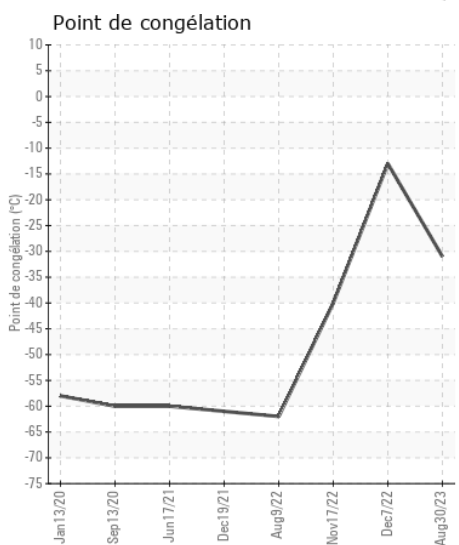
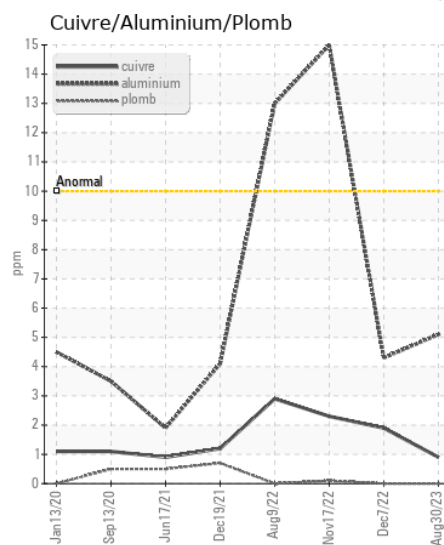
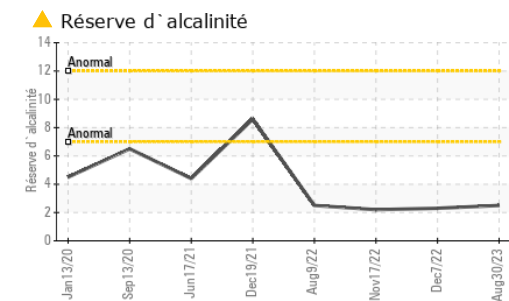
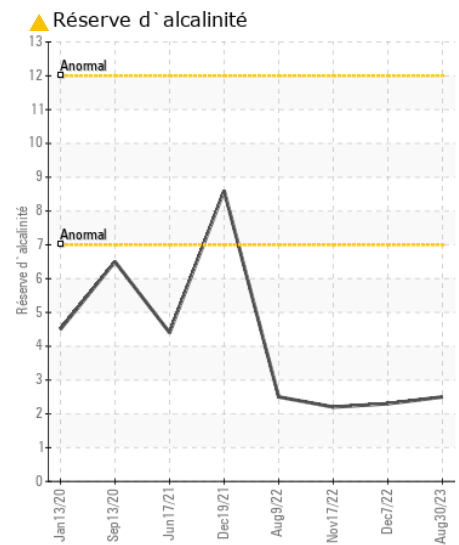
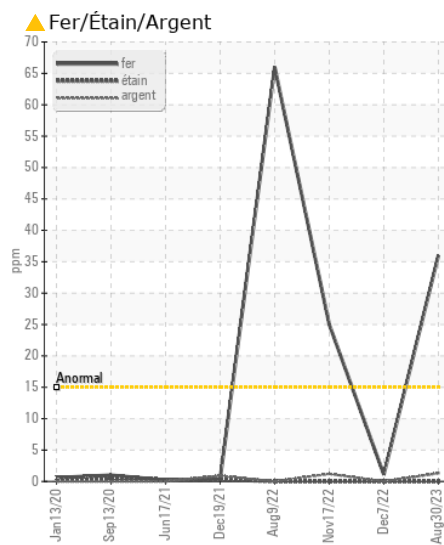
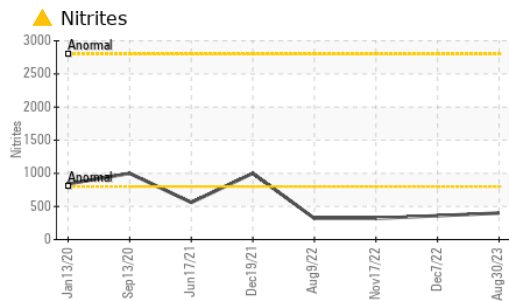
CONTAMINANTS

There is no indication of any contamination in the coolant.

ÉTAT DU LIQUIDE REFROIDISSEMENT

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0077380	PC0065873	PC0066531
Date d'échant.		Client Info		30 Aug 2023	07 Dec 2022	17 Nov 2022
Âge d la Machine	hrs	Client Info		10088	9273	9212
Âge de l'huile	hrs	Client Info		0	0	0
Huile changée		Client Info		N/A	N/A	N/A
Statut de l'échant.				ABNORMAL	NORMAL	SEVERE
Fer	ppm	ASTM D5185(m)	>15	▲ 36	1	▲ 25
Aluminium	ppm	ASTM D5185(m)	>10	5	4	▲ 15
Cuivre	ppm	ASTM D5185(m)	>10	<1	2	2
Plomb	ppm	ASTM D5185(m)	>10	0	0	<1
Étain	ppm	ASTM D5185(m)	>10	0	0	0
Argent	ppm	ASTM D5185(m)	>10	1	0	1
Zinc	ppm	ASTM D5185(m)	>10	0	1	3
Calcium	ppm	ASTM D5185(m)	>100	21	12	687
Magnésium	ppm	ASTM D5185(m)	>40	2	2	9
Apparence	scalar	Visual*	NORML	NORML	NORML	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Apparence du liquide de refroidissement		Visual*	Clear	▲ Opaque	Clear	▲ Very old
Densité		ASTM D1298*		1.065	1.055	1.070
pH	Scale 0-14	ASTM D1287*	9.5	8.89	9.19	7.93
Nitrites	ppm	Alcan Test Kit*	1500	▲ 400	360	320
Réserve d'alcalinité	Scale 0-20	ASTM D1121*	8.5	▲ 2.5	2.3	2.2
Pourcentage de glycol	%	ASTM D3321*	50	48.7	40.2	52.6
Point de congélation	°C	ASTM D3321*	-40	-31	-13	-40
Carboxylate				---	---	---
Silicium	ppm	ASTM D5185(m)		11	6	28
Phosphore	ppm	ASTM D5185(m)		16	3	4
Bore	ppm	ASTM D5185(m)		22	12	47
Molybdène	ppm	ASTM D5185(m)		95	234	11
Sodium	ppm	ASTM D5185(m)		8399	3775	3761
Potassium	ppm	ASTM D5185(m)		81	87	637
Couleur du liquide de refroidissement		Visual*	Green	Other	Pink	Orange



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUDVILLE INC.**
N° d'échantillon : PC0077380 **Reçu** : 31 Aug 2023
N° de laboratoire : 02579821 **Diagnostic** : 01 Sep 2023
Numéro unique : 5632881 **Diagnostic** : Kevin Marson
Analyse : COOL (Additional Tests: PQ)

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.

270 RUE BRUNET
MONT ST-HILAIRE, QC
CA J3H 0M6
Contact: Martin Trudel
mtrudel@michaudville.com

T:
F: