



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

ABNORMAL

COOLANT CONDITION

SEVERE

Area

[6100314636]

Machine Id

524101682

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous recommandons de vous assurer que le même type de liquide de refroidissement est utilisé pour les appoints. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021491	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		23670	---	---
Oil Age	hrs	Client Info		100	---	---
Oil Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---

CORROSION

Les concentrations de tous les métaux sont normales indiquant qu'il n'y a pas de corrosion dans le système de refroidissement.

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

CONTAMINANTS

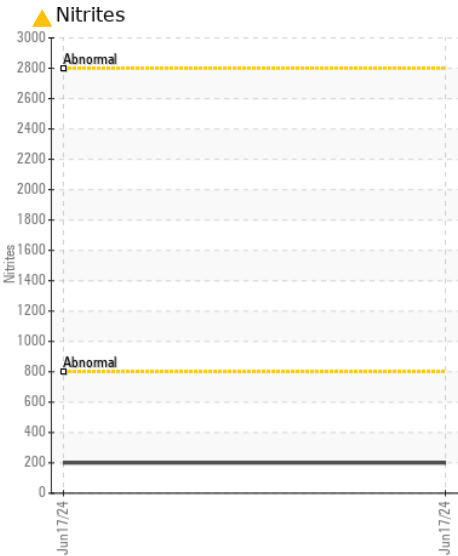
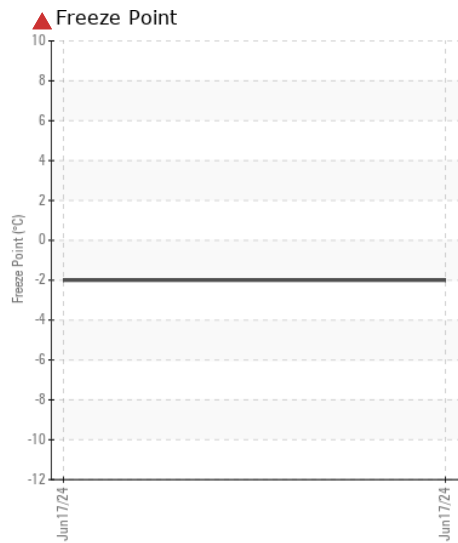
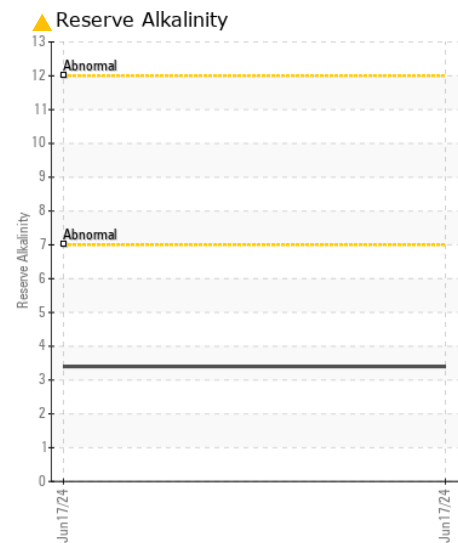
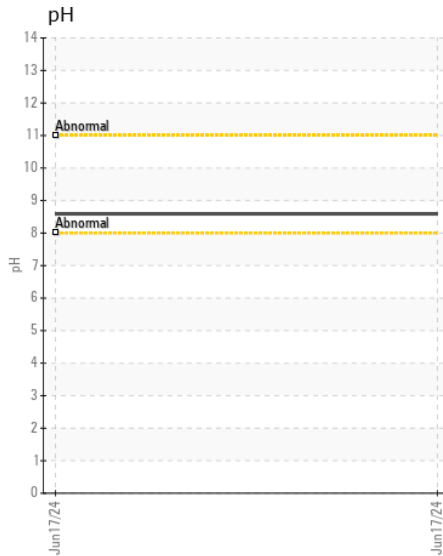
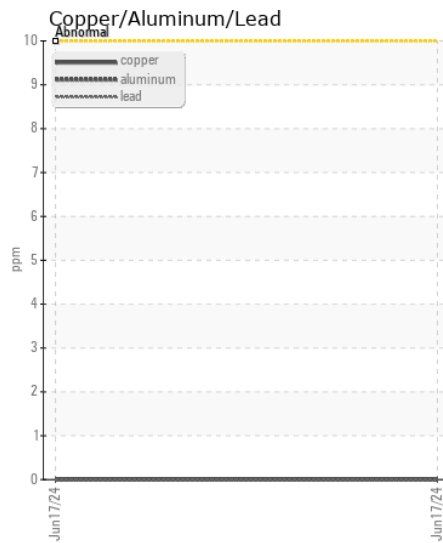
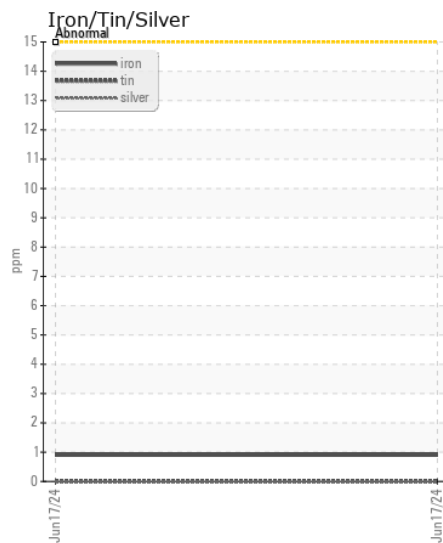
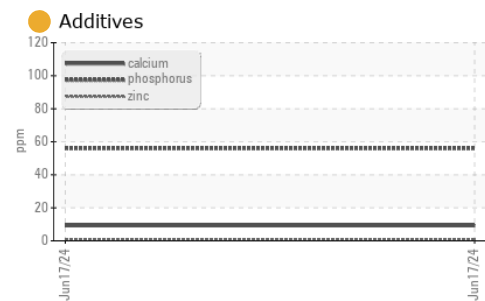
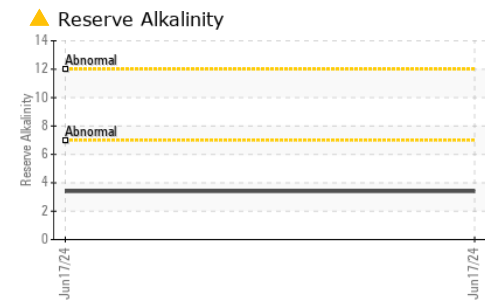
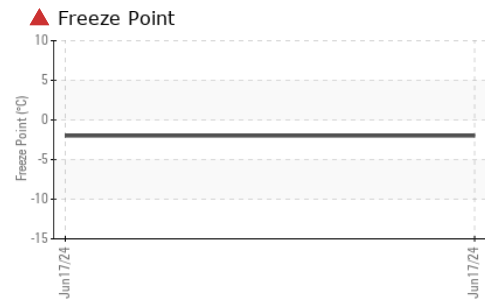
Il y a une concentration modérée de la saleté et débris visible, présente dans l'agent de refroidissement.

Calcium	ppm	ASTM D5185(m)	>100	9	---	---
Magnesium	ppm	ASTM D5185(m)	>40	2	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	▲ Cloudy	---	---

COOLANT CONDITION

La réserve d'alcalinité de ce fluide est anormalement basse. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. La concentration du glycol est basse et peut entraîner une accélération du piquage des cylindres et une protection inadéquate contre le gel. Le bas niveau de nitrites indique une réduction de la protection contre la cavitation qui peut entraîner de la corrosion et la formation d'ammoniaque. La densité est inférieure à la valeur typique indiquant l'ajout d'un fluide de refroidissement différent. Le niveau de pH de ce fluide est dans les limites acceptables.

Boiling Point	°C	WC Method*		101	---	---
Specific Gravity		ASTM D1298*		▲ 1.001	---	---
pH	Scale 0-14	ASTM D1287*	9.5	8.59	---	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 200	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 3.4	---	---
Percentage Glycol	%	ASTM D3321*	50	▲ 5.1	---	---
Freezing Point	°C	ASTM D3321*	-40	▲ -2	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		111	---	---
Phosphorus	ppm	ASTM D5185(m)		● 56	---	---
Boron	ppm	ASTM D5185(m)		● 10	---	---
Molybdenum	ppm	ASTM D5185(m)		● 15	---	---
Sodium	ppm	ASTM D5185(m)		331	---	---
Potassium	ppm	ASTM D5185(m)		4802	---	---
Coolant Color		Visual*	Green	Green	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021491 **Received** : 21 Jun 2024
Lab Number : 02643533 **Tested** : 27 Jun 2024
Unique Number : 5801072 **Diagnosed** : 27 Jun 2024 - Kevin Marson
Test Package : COOL (Additional Tests: BottomAnalysis, FILTERPATCH, GlycolType)

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.

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