



Machine Id  
**414006**  
Component  
**Diesel Engine**  
Fluid  
**{not provided} (--- LTR)**

### RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

### WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

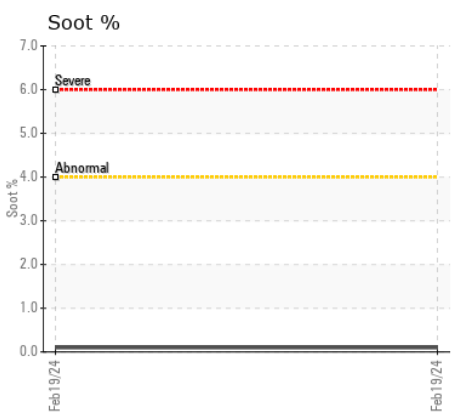
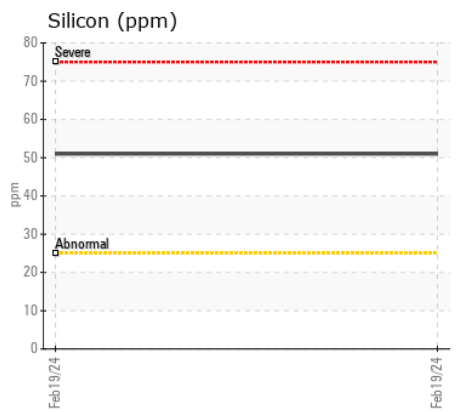
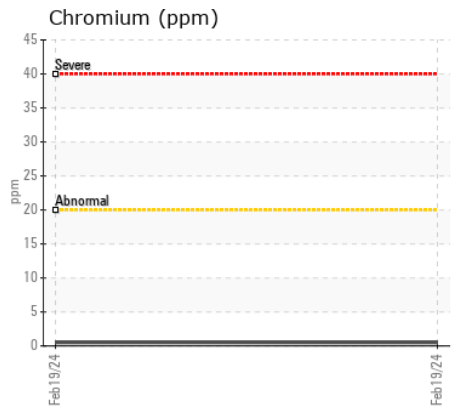
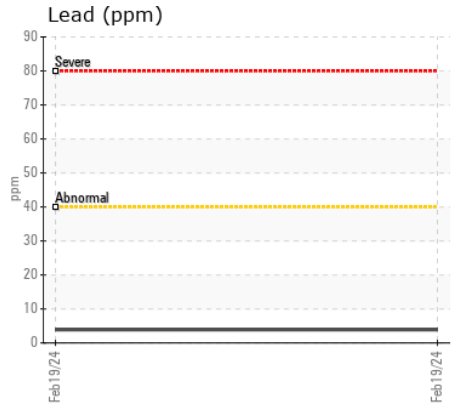
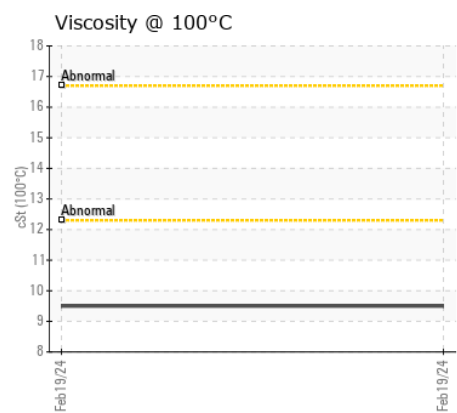
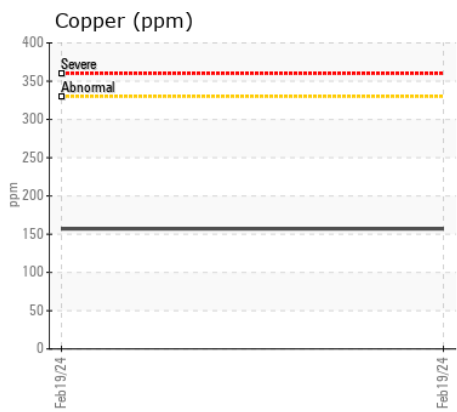
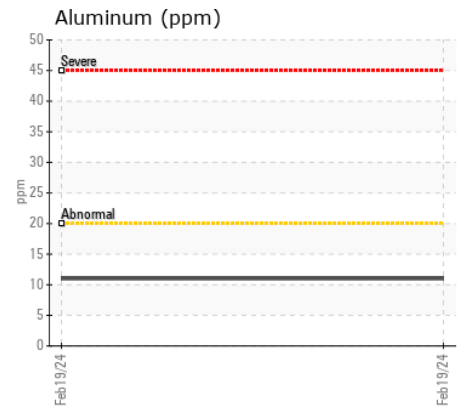
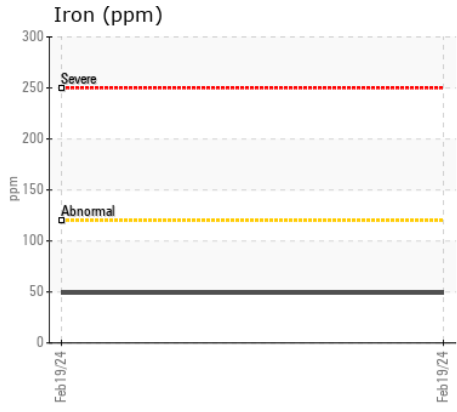
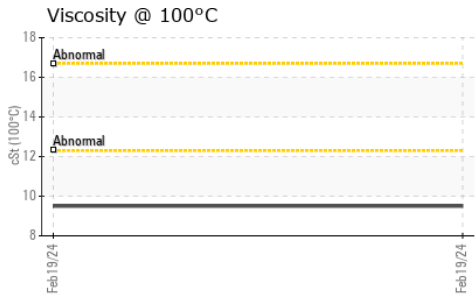
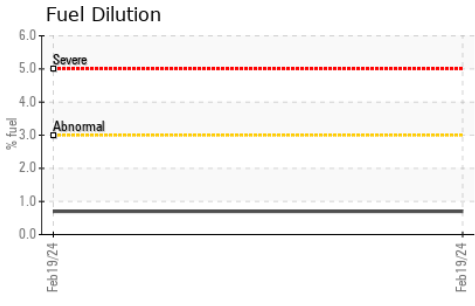
### CONTAMINATION

La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0079089</b>	---	---
Sample Date		Client Info		<b>19 Feb 2024</b>	---	---
Machine Age	kms	Client Info		<b>20458</b>	---	---
Oil Age	kms	Client Info		<b>0</b>	---	---
Filter Age	kms	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---
Iron	ppm	ASTM D5185(m)	>120	<b>49</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>8</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>11</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>4</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>157</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>4</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185(m)	>25	<b>51</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>23</b>	---	---
Fuel	%	ASTM D7593*	>3.0	<b>0.7</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>4	<b>0.1</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.0</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>234</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>119</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>665</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1395</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>681</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>759</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2042</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>22.4</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>9.5</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079089 **Received** : 21 Feb 2024  
**Lab Number** : 02616889 **Tested** : 22 Feb 2024  
**Unique Number** : 5733999 **Diagnosed** : 22 Feb 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

**Matrec - 791 - Rimouski**  
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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.