



USURE	<b>NORMAL</b>
CONTAMINATION	<b>ANORMAL</b>
ÉTAT DU FLUIDE	<b>ANORMAL</b>

Identité de la machine

**85101**

Composant

**Moteur diesel**

Fluid

**DIESEL ENGINE OIL SAE 5W40 (--- GAL)**

**RECOMMENDATION**

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0084438</b>	PC0028039	---
Date d'échant.		Client Info		<b>28 Feb 2024</b>	10 Mar 2020	---
Âge d la Machine	hrs	Client Info		<b>7636</b>	5880	---
Âge de l'huile	hrs	Client Info		<b>0</b>	0	---
Âge du filtre	hrs	Client Info		<b>0</b>	0	---
Huile changée		Client Info		<b>N/A</b>	Changed	---
Filtre changé		Client Info		<b>N/A</b>	Changed	---
Statut de l'échant.				<b>ABNORMAL</b>	NORMAL	---

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>28</b>	7	---
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>1</b>	<1	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	1	---
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>3</b>	<1	---
Plomb	ppm	ASTM D5185(m)	>40	<b>4</b>	2	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>5</b>	<1	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

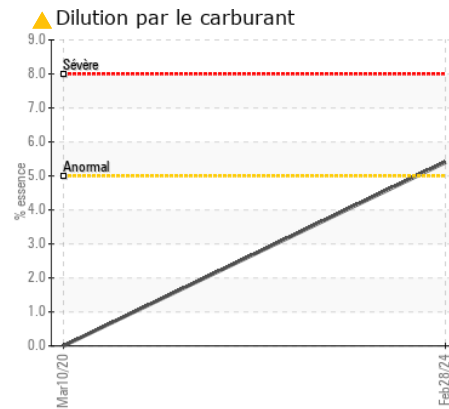
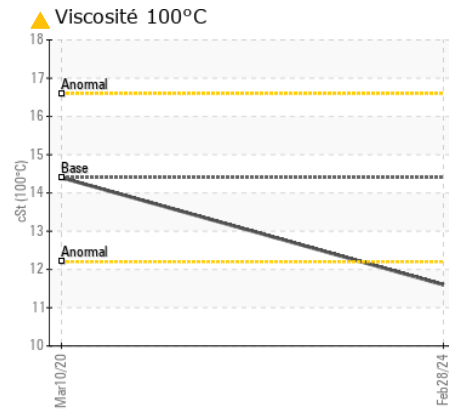
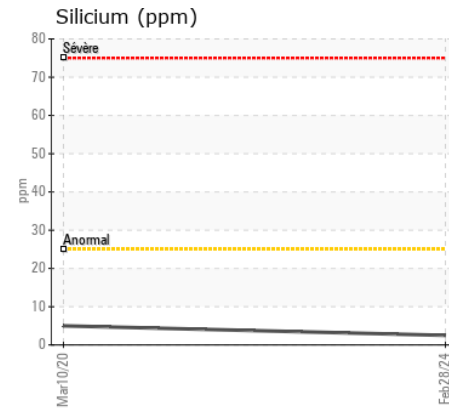
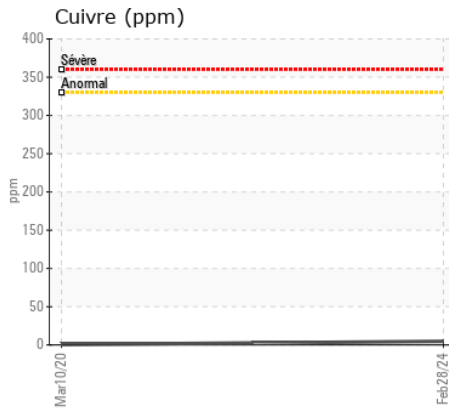
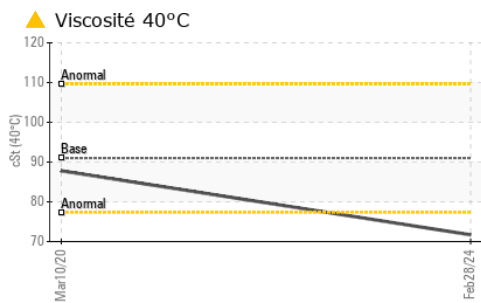
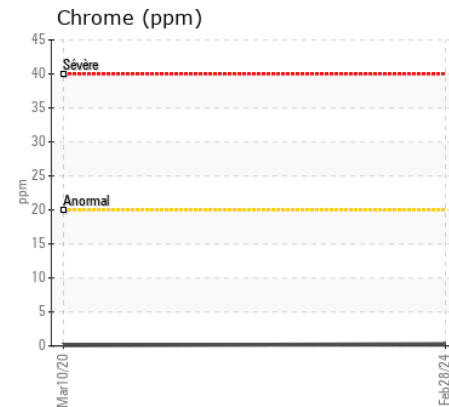
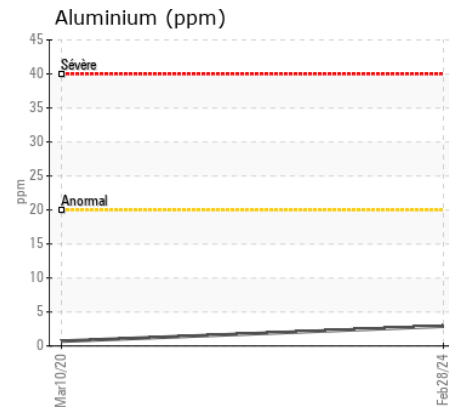
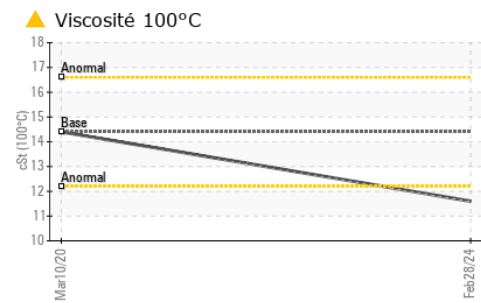
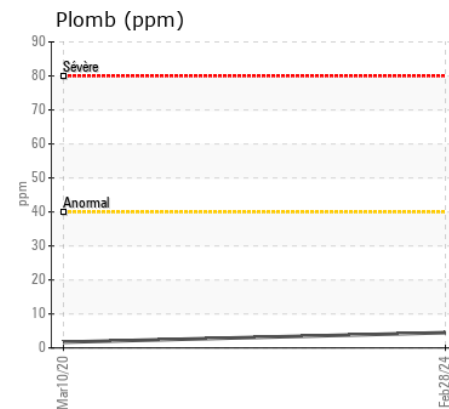
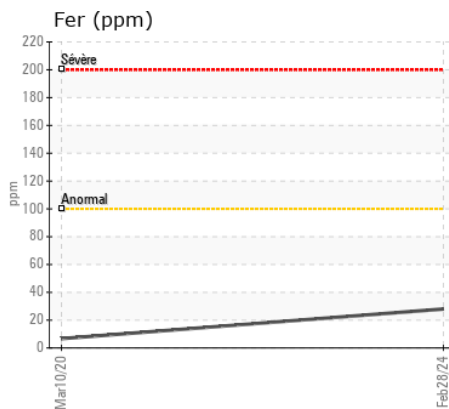
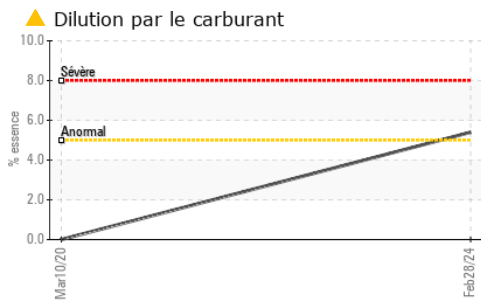
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>2</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Essence	%	ASTM D7593*	>5	<b>▲ 5.4</b>	<1.0	---
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0.2</b>	0.7	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	7.3	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.0</b>	25.5	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**ÉTAT DU FLUIDE**

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>44	<b>2</b>	2	---
Bore	ppm	ASTM D5185(m)	250	<b>7</b>	173	---
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	<1	---
Molybdène	ppm	ASTM D5185(m)	100	<b>50</b>	10	---
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	450	<b>783</b>	103	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1159</b>	1985	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>946</b>	971	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1074</b>	1095	---
Soufre	ppm	ASTM D5185(m)	4250	<b>2683</b>	2868	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.3</b>	16.2	---
Visc 40°C	cSt	ASTM D7279(m)	91	<b>▲ 71.7</b>	87.8	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>▲ 11.6</b>	14.4	---
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>156</b>	170	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0084438  
**N° de laboratoire** : 02618877  
**Numéro unique** : 5735987  
**Analyse** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI )

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

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.