



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

Identité de la machine

**5050**

Composant

**Moteur diesel**

Fluide

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

**RECOMMENDATION**

Resample at the next service interval to monitor. 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>PC0077403</b>	PC0077641	PC0071174
Date d'échant.		Client Info		<b>14 Nov 2023</b>	25 Jul 2023	15 Feb 2023
Âge d la Machine	hrs	Client Info		<b>2460</b>	1956	1587
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	N/A
Filtre changé		Client Info		<b>N/A</b>	N/A	N/A
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>11</b>	12	18
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	2
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	2
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	6	11
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

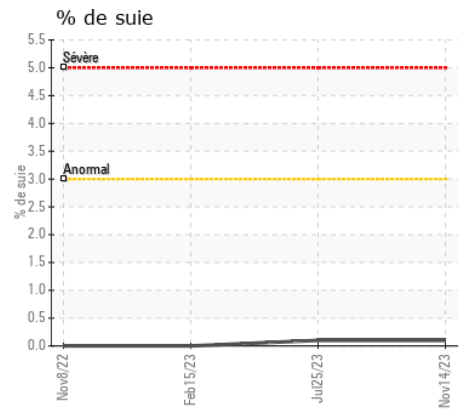
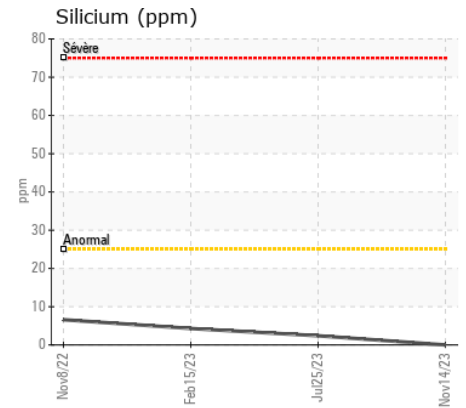
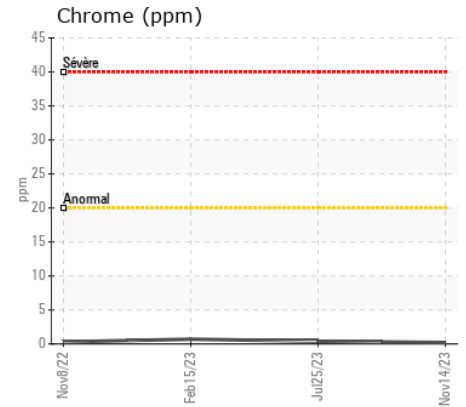
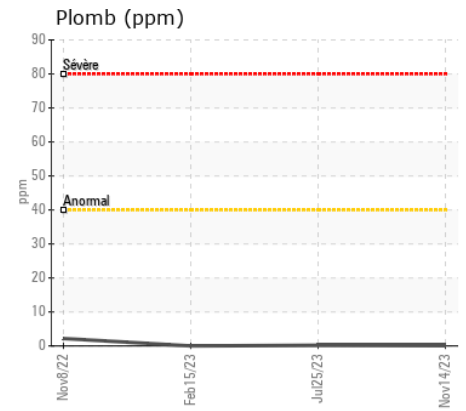
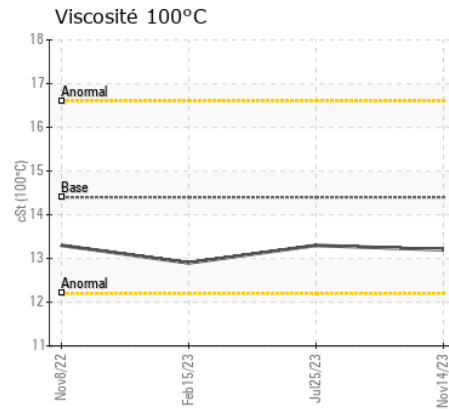
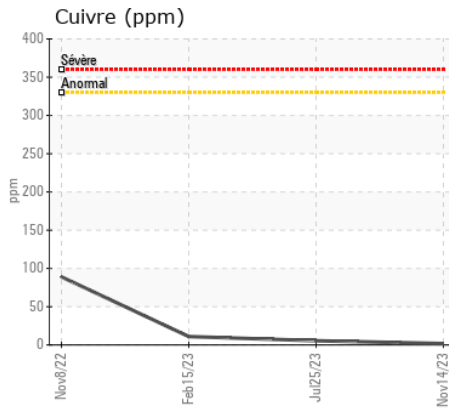
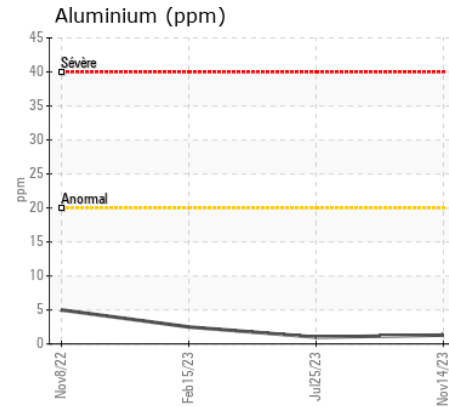
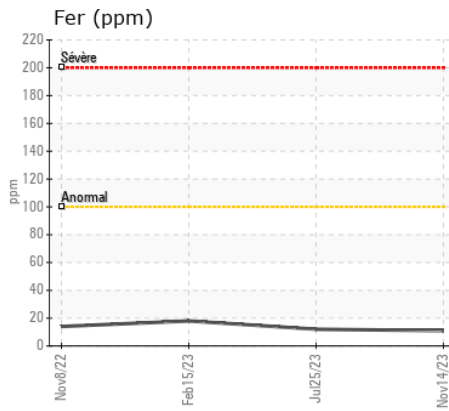
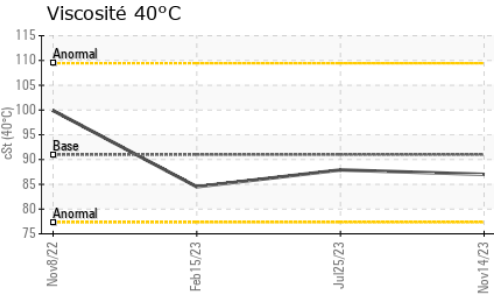
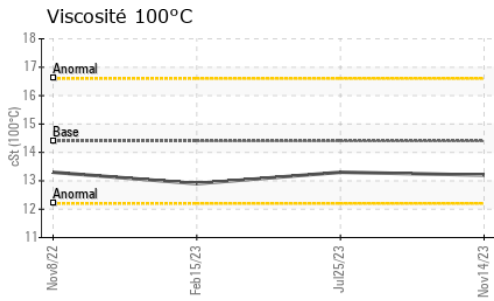
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>0</b>	2	4
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	1
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.1</b>	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	7.5	8.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.5</b>	19.1	26.6
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>44	<b>2</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	3	10
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>57</b>	57	66
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>938</b>	940	814
Calcium	ppm	ASTM D5185(m)	3000	<b>1069</b>	1096	1580
Phosphore	ppm	ASTM D5185(m)	1150	<b>1000</b>	1052	1121
Zinc	ppm	ASTM D5185(m)	1350	<b>1177</b>	1180	1246
Soufre	ppm	ASTM D5185(m)	4250	<b>2535</b>	2565	2883
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.6</b>	14.8	20.6
Visc 40°C	cSt	ASTM D7279(m)	91	<b>87.0</b>	87.9	84.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.2</b>	13.3	12.9
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>152</b>	152	152



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0077403 **Reçu** : 15 Nov 2023  
**N° de laboratoire** : 02596469 **Diagnostiqué** : 15 Nov 2023  
**Numéro unique** : 5681549 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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: