



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

Identité de la machine

**1157**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 15W40 (--- 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>PC0075876</b>	PC0070914	PC0060619
Date d'échant.		Client Info		<b>10 Oct 2023</b>	01 Mar 2023	10 Jul 2022
Âge d la Machine	kms	Client Info		<b>161322</b>	150593	0
Âge de l'huile	kms	Client Info		<b>0</b>	0	0
Âge du filtre	kms	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	ABNORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>30</b>	53	34
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>6</b>	10	11
Plomb	ppm	ASTM D5185(m)	>40	<b>3</b>	4	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>5</b>	5	5
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</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**

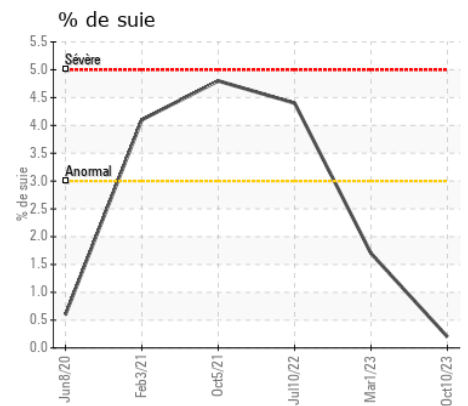
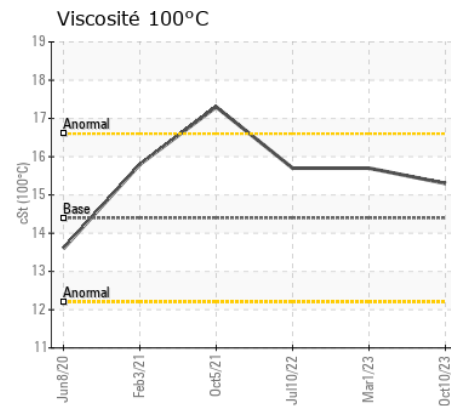
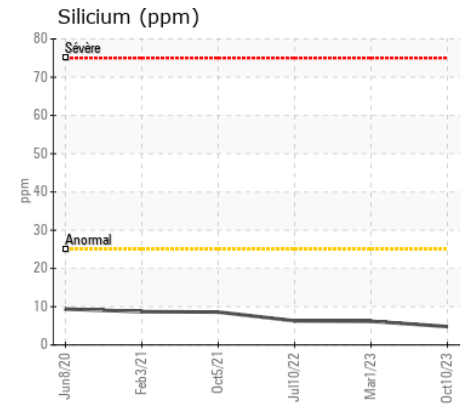
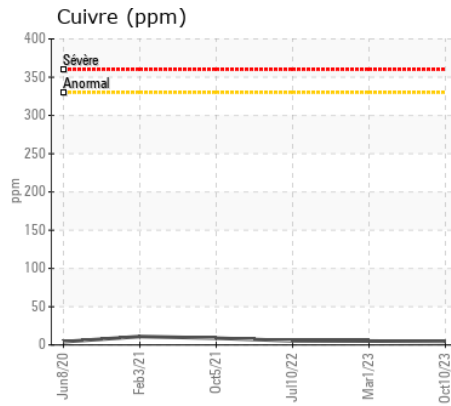
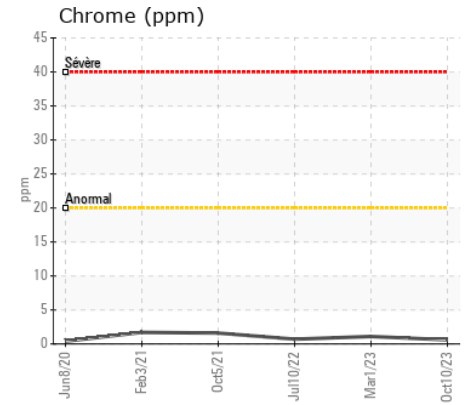
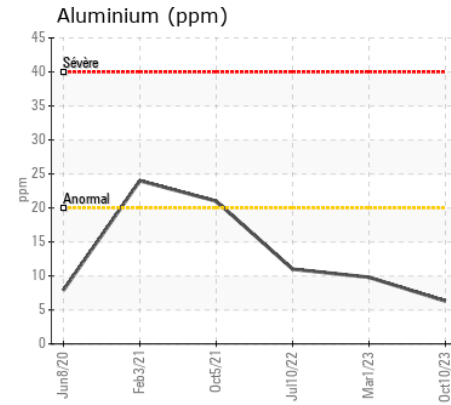
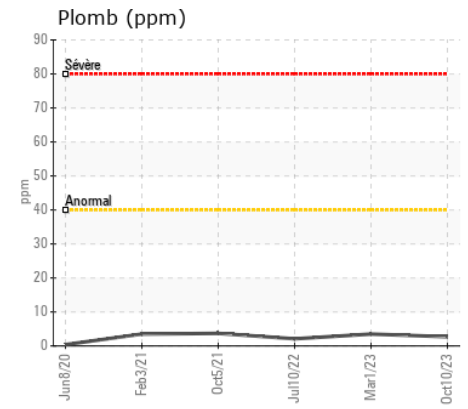
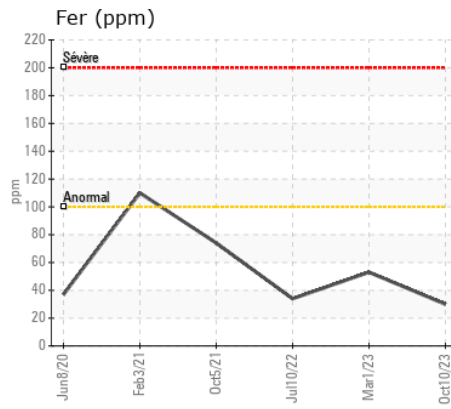
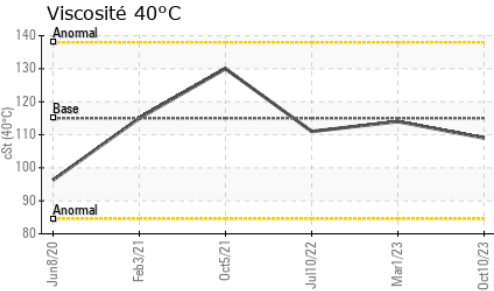
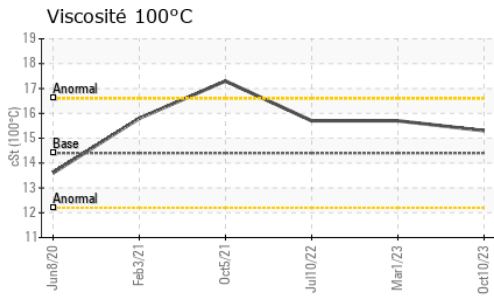
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	▲ 2.4
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.2</b>	1.7	▲ 4.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.6</b>	8.4	31.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.8</b>	24.0	39.2
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)	>158	<b>3</b>	3	3
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	2	6
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>62</b>	56	50
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>960</b>	891	821
Calcium	ppm	ASTM D5185(m)	3000	<b>1139</b>	1288	1333
Phosphore	ppm	ASTM D5185(m)	1150	<b>945</b>	1051	967
Zinc	ppm	ASTM D5185(m)	1350	<b>1257</b>	1186	1196
Soufre	ppm	ASTM D5185(m)	4250	<b>2477</b>	2548	2409
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>21.1</b>	11.4	80.6
Visc 40°C	cSt	ASTM D7279(m)	115	<b>109</b>	114	111
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>15.3</b>	15.7	15.7
Indice de viscosité (VI)	Scale	ASTM D2270*	126	<b>147</b>	145	150



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.  
**N° d'échantillon** : PC0075876 **Reçu** : 11 Oct 2023  
**N° de laboratoire** : 02588102 **Diagnostiqué** : 11 Oct 2023  
**Numéro unique** : 5657168 **Diagnostiqueur** : Kevin Marson  
**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: