



Identité de la machine

**5016**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 10W30 (--- 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>PC0078458</b>	PC0071019	PC0067623
Date d'échant.		Client Info		<b>30 Aug 2023</b>	08 Aug 2023	11 Jan 2023
Âge d la Machine	hrs	Client Info		<b>10311</b>	10279	9983
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>	ABNORMAL	ABNORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>9</b>	26	24
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>10</b>	▲ 33	▲ 23
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	3	2
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

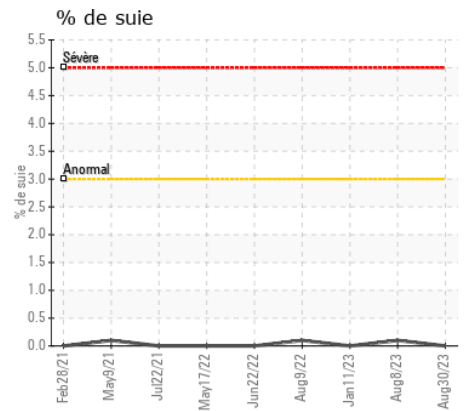
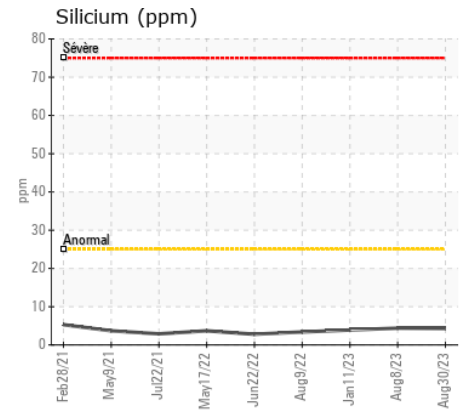
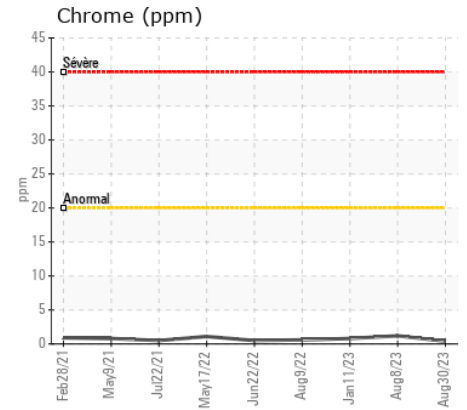
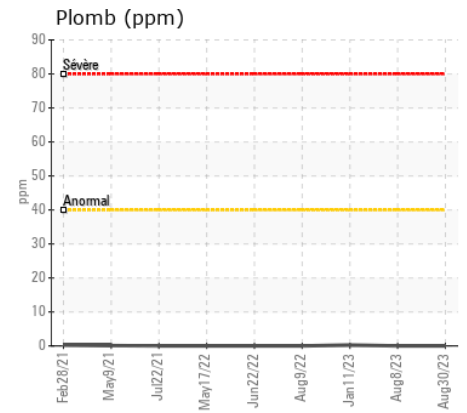
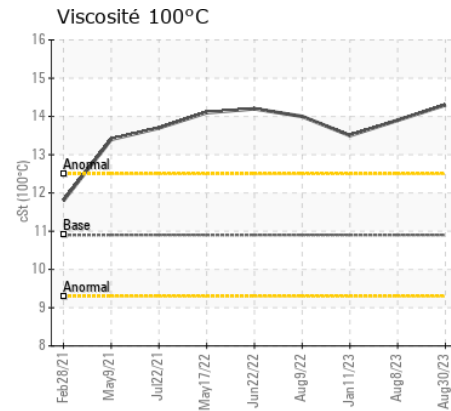
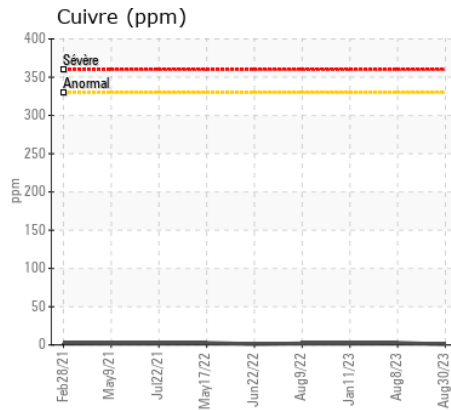
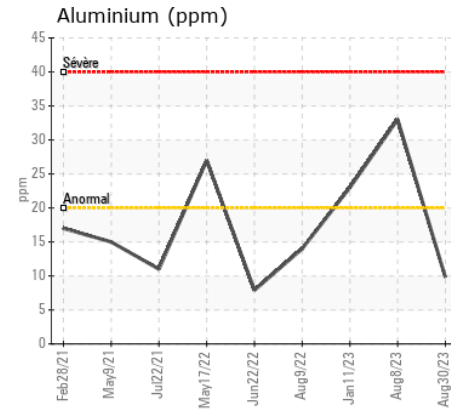
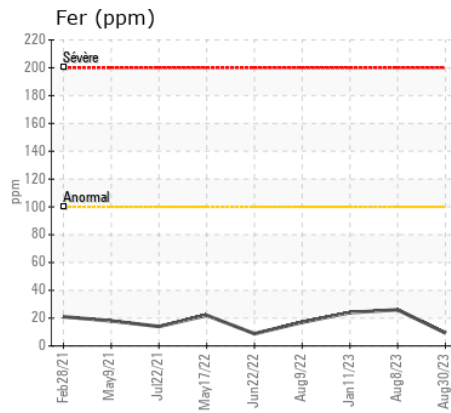
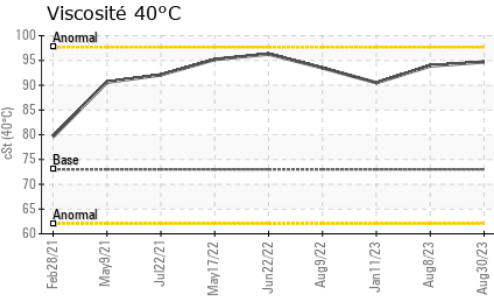
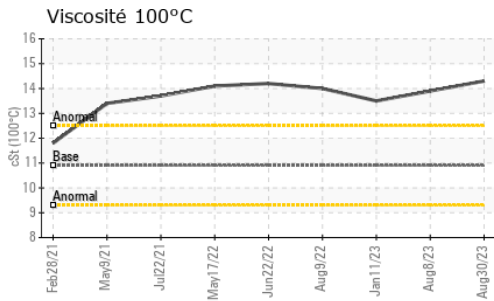
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<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</b>	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.1</b>	7.1	7.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.0</b>	18.5	19.8
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)		<b>2</b>	3	3
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	2	<1
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>55</b>	56	55
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>932</b>	934	891
Calcium	ppm	ASTM D5185(m)	3000	<b>1080</b>	1058	1161
Phosphore	ppm	ASTM D5185(m)	1150	<b>1050</b>	1045	1043
Zinc	ppm	ASTM D5185(m)	1350	<b>1160</b>	1164	1172
Soufre	ppm	ASTM D5185(m)	4250	<b>2641</b>	2564	2602
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	14.1	14.8
Visc 40°C	cSt	ASTM D7279(m)	73	<b>94.7</b>	93.9	90.5
Visc 100°C	cSt	ASTM D7279(m)	10.9	<b>14.3</b>	13.9	13.5
Indice de viscosité (VI)	Scale	ASTM D2270*	138	<b>155</b>	151	150



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0078458 **Reçu** : 31 Aug 2023 270 RUE BRUNET  
**N° de laboratoire** : 02579601 **Diagnostiqué** : 31 Aug 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5632661 **Diagnostiqueur** : Wes Davis CA J3H 0M6  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI) Contact: Martin Trudel

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131. mtrudel@michaudville.com  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. F: