



Identité de la machine

**1514**

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>PC0083893</b>	PC0077436	PC0066551
Date d'échant.		Client Info		<b>03 Dec 2023</b>	14 Aug 2023	24 Apr 2023
Âge d la Machine	hrs	Client Info		<b>5066</b>	4533	4099
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>12</b>	10	12
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>5</b>	5	6
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	2	1
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

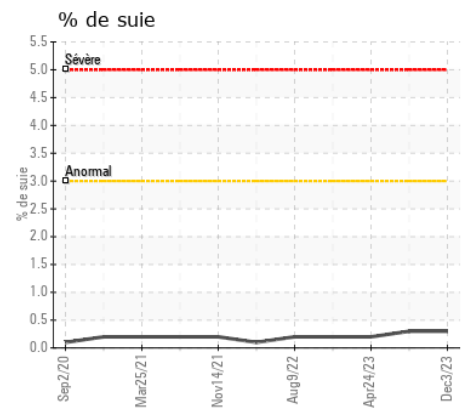
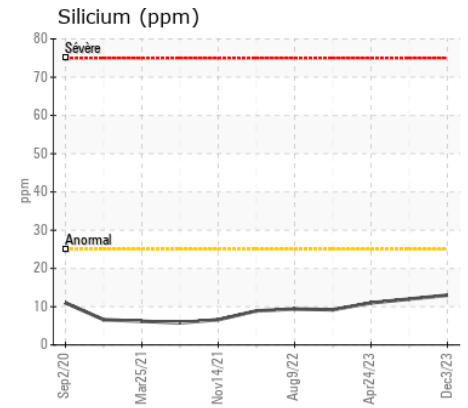
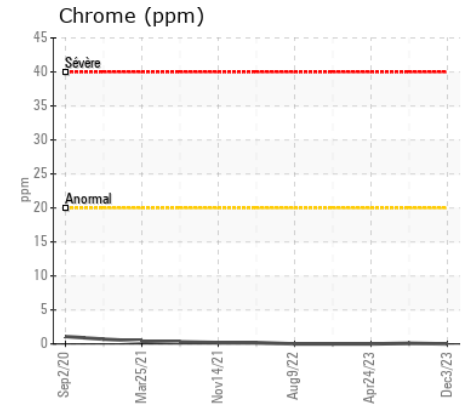
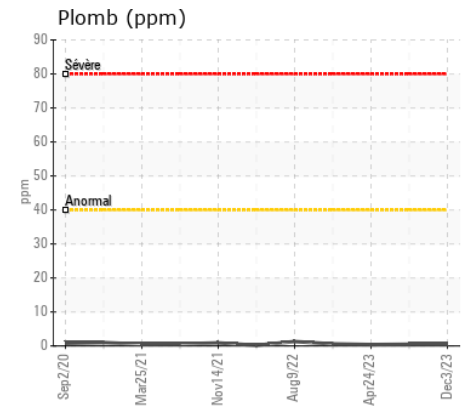
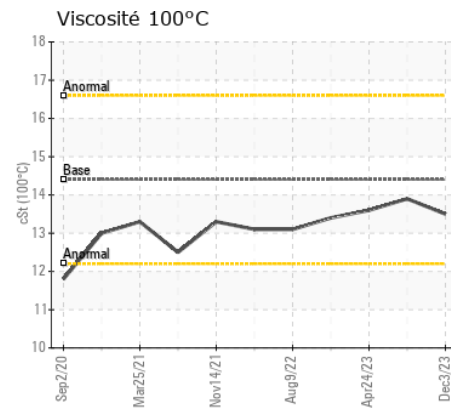
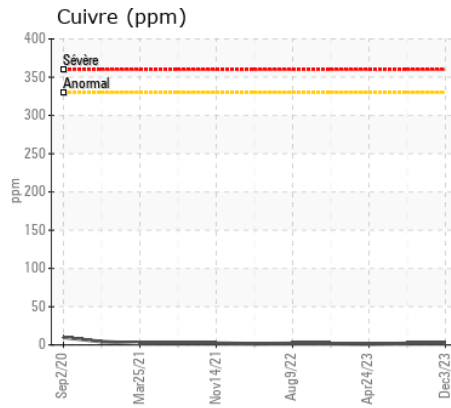
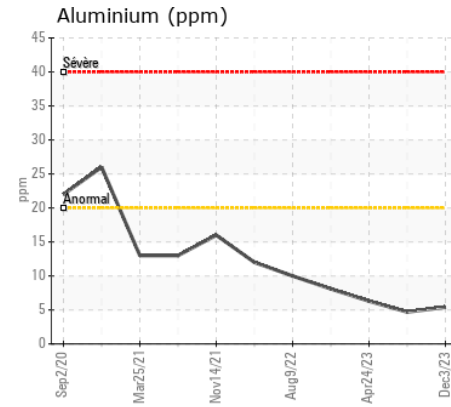
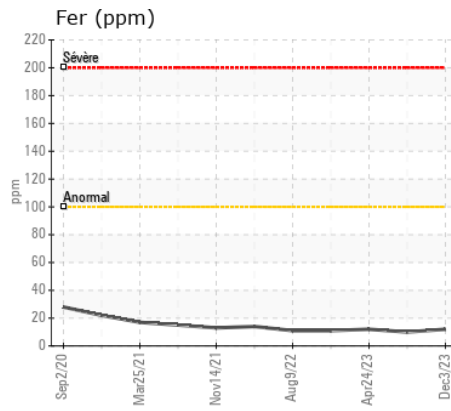
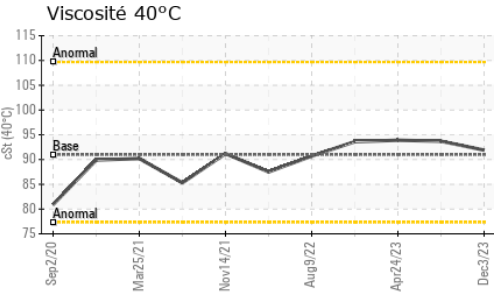
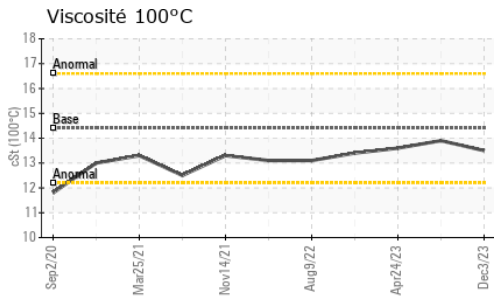
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>13</b>	12	11
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	8	10
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	7.8	7.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.1</b>	20.8	19.1
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>	3	2
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	1	2
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>58</b>	59	60
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>959</b>	988	972
Calcium	ppm	ASTM D5185(m)	3000	<b>1096</b>	1098	1136
Phosphore	ppm	ASTM D5185(m)	1150	<b>957</b>	1066	1064
Zinc	ppm	ASTM D5185(m)	1350	<b>1198</b>	1200	1195
Soufre	ppm	ASTM D5185(m)	4250	<b>2334</b>	2524	2597
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	15.5	15.0
Visc 40°C	cSt	ASTM D7279(m)	91	<b>91.9</b>	93.7	93.9
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.5</b>	13.9	13.6
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>148</b>	151	146



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0083893 **Reçu** : 04 Dec 2023 270 RUE BRUNET  
**N° de laboratoire** : 02600393 **Diagnostiqué** : 04 Dec 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5685473 **Diagnostiqueur** : Wes Davis CA J3H 0M6  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI) 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.

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