



Identité de la machine

**1593**

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>PC0082476</b>	PC0078350	PC0072113
Date d'échant.		Client Info		<b>21 Nov 2023</b>	30 Aug 2023	04 Jun 2023
Âge d la Machine	hrs	Client Info		<b>7265</b>	6670	6092
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	MARGINAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>22</b>	22	24
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>15</b>	27	8
Plomb	ppm	ASTM D5185(m)	>40	<b>1</b>	1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

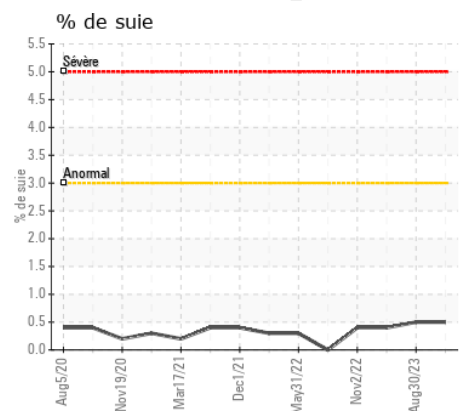
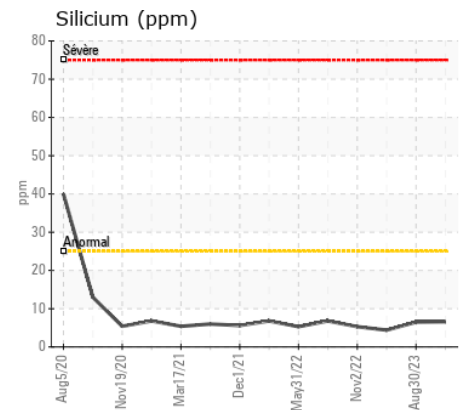
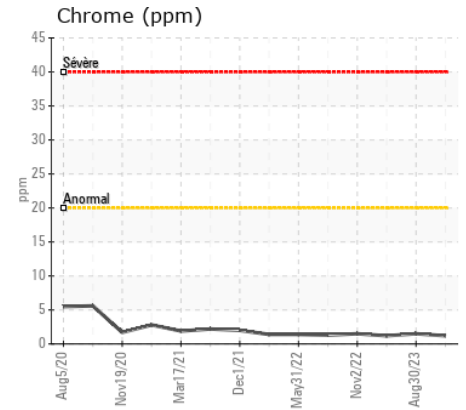
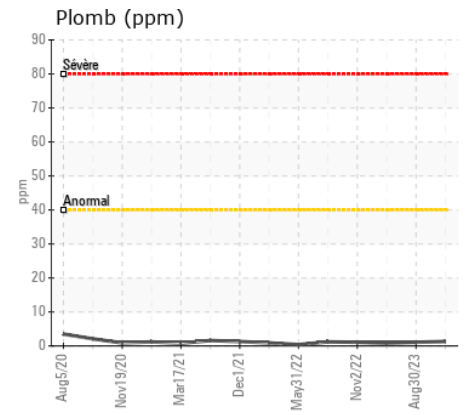
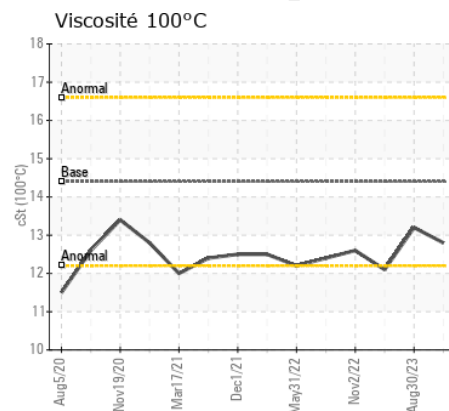
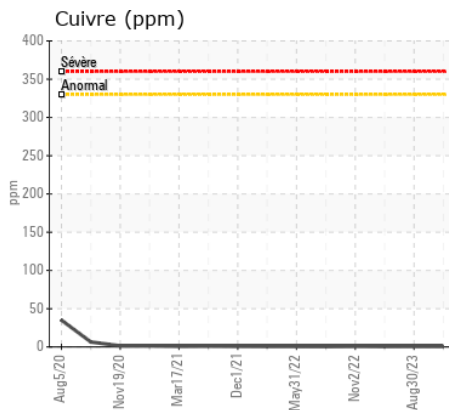
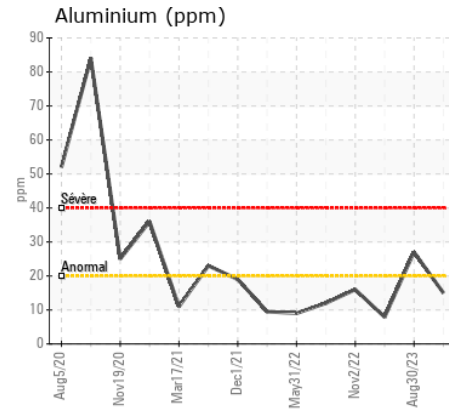
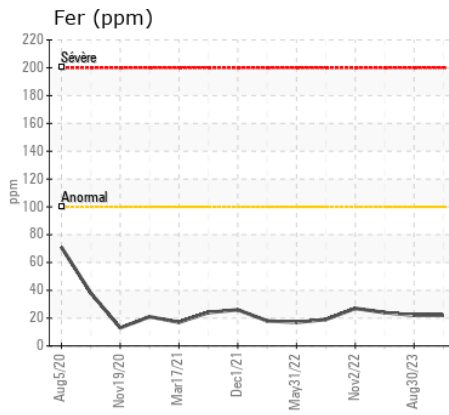
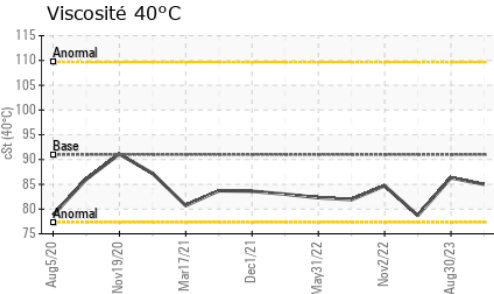
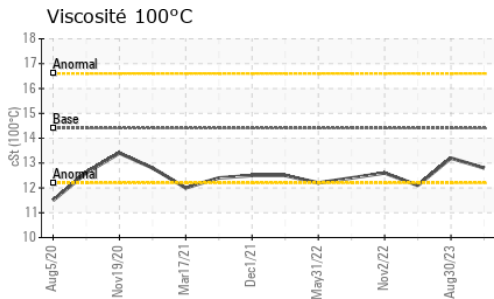
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>7</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>40</b>	78	23
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	▲ 2
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>0.5</b>	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.9</b>	9.0	8.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.0</b>	23.1	21.9
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>4</b>	4	5
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	2	6
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>60</b>	59	57
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>972</b>	967	891
Calcium	ppm	ASTM D5185(m)	3000	<b>1106</b>	1160	1347
Phosphore	ppm	ASTM D5185(m)	1150	<b>1015</b>	1102	1087
Zinc	ppm	ASTM D5185(m)	1350	<b>1218</b>	1224	1219
Soufre	ppm	ASTM D5185(m)	4250	<b>2454</b>	2612	2714
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.9</b>	16.6	16.9
Visc 40°C	cSt	ASTM D7279(m)	91	<b>85.0</b>	86.3	78.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>12.8</b>	13.2	12.1
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>149</b>	153	149



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0082476 **Reçu** : 22 Nov 2023 270 RUE BRUNET  
**N° de laboratoire** : 02598116 **Diagnostiqué** : 22 Nov 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5683196 **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. T:  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. F: