



Identité de la machine

**4502**

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>PC0078405</b>	PC0060307	PC0048589
Date d'échant.		Client Info		<b>13 Sep 2023</b>	18 Apr 2022	03 Jun 2021
Âge d la Machine	hrs	Client Info		<b>7671</b>	7263	6752
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>55</b>	71	62
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	2	2
Nickel	ppm	ASTM D5185(m)	>4	<b>3</b>	▲ 5	▲ 5
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>7</b>	10	7
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>13</b>	3	1
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>	NONE	---
Bronze	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---

**CONTAMINATION**

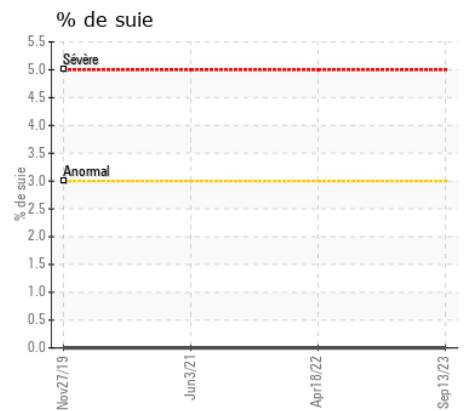
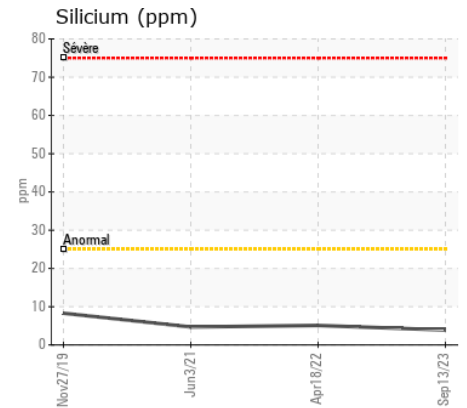
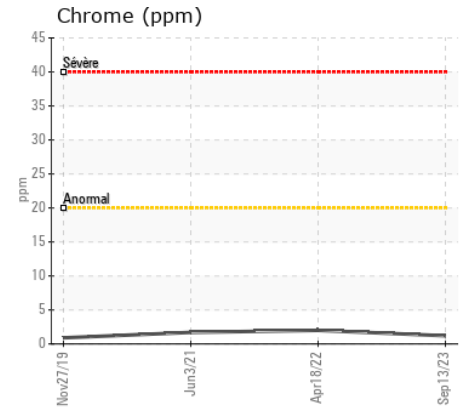
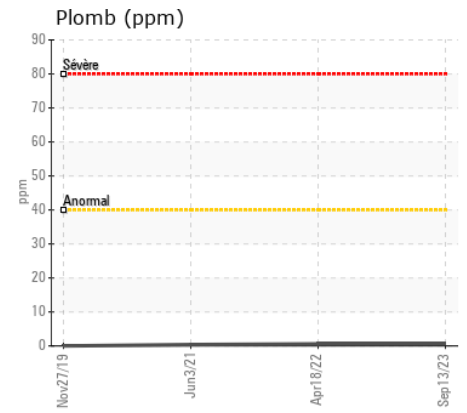
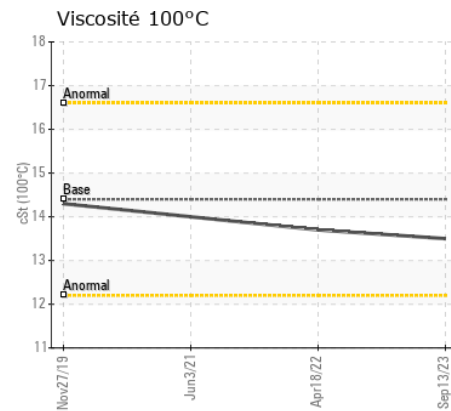
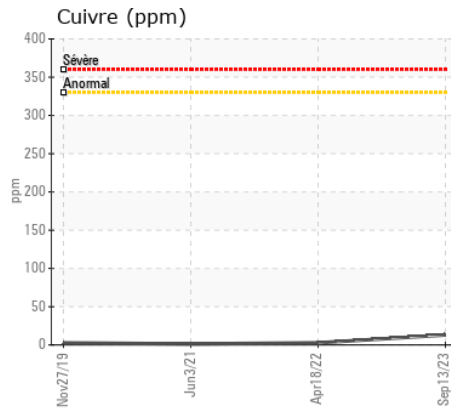
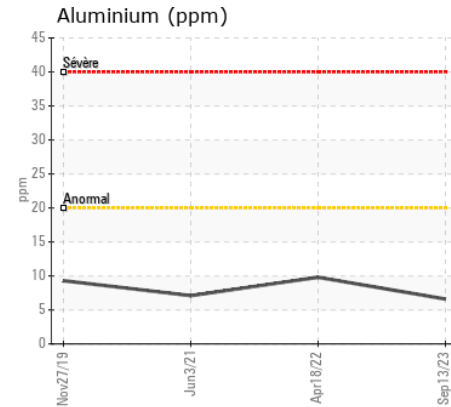
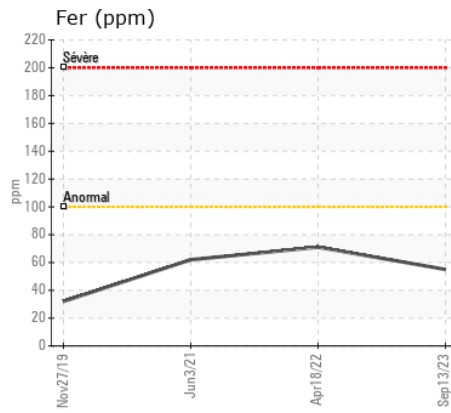
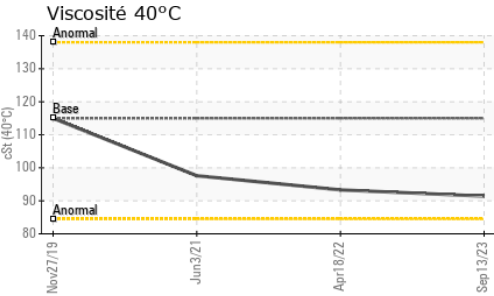
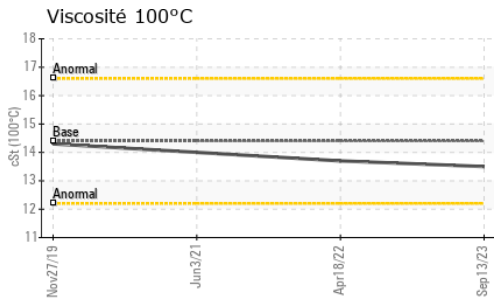
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	5	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</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</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.8</b>	3.4	5.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.0</b>	14.3	18.7
Limon	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	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>11</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	3	5
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	100	<b>55</b>	59	58
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	1
Magnésium	ppm	ASTM D5185(m)	450	<b>898</b>	1004	950
Calcium	ppm	ASTM D5185(m)	3000	<b>1136</b>	1085	1056
Phosphore	ppm	ASTM D5185(m)	1150	<b>1031</b>	1081	1002
Zinc	ppm	ASTM D5185(m)	1350	<b>1162</b>	1241	1238
Soufre	ppm	ASTM D5185(m)	4250	<b>2617</b>	2683	2716
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.4</b>	6.3	13.7
Visc 40°C	cSt	ASTM D7279(m)	115	<b>91.4</b>	93.3	97.6
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.5</b>	13.7	14.0
Indice de viscosité (VI)	Scale	ASTM D2270*	126	<b>149</b>	148	146



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0078405 **Reçu** : 14 Sep 2023  
**N° de laboratoire** : 02582403 **Diagnostiqué** : 14 Sep 2023  
**Numéro unique** : 5643468 **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: