



Identité de la machine

**1174**

Composant

**Moteur diesel**

Fluid

**NOT GIVEN (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 5W40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please specify the component make and model with your next sample.

**USURE**

Metal levels are typical for a new component breaking in.

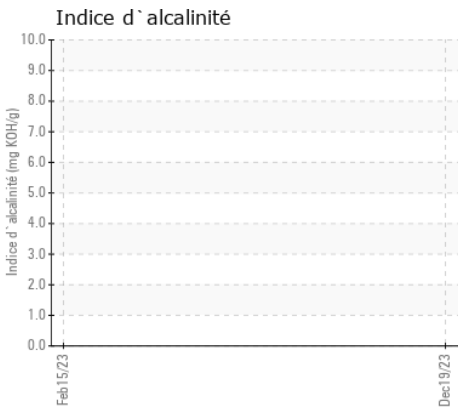
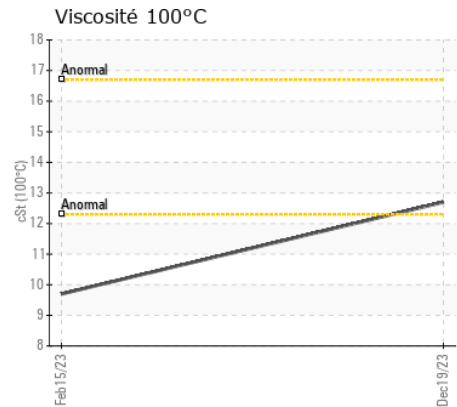
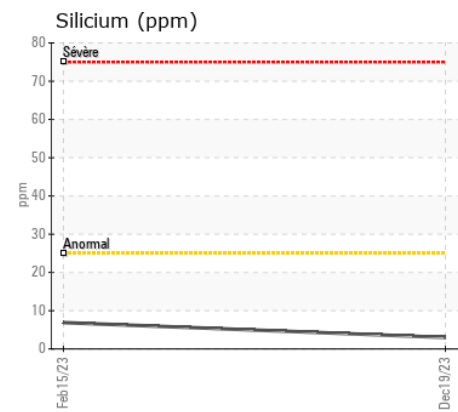
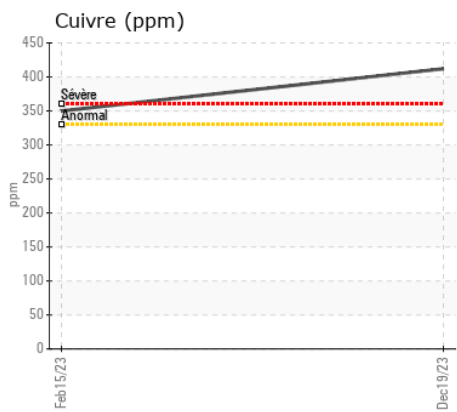
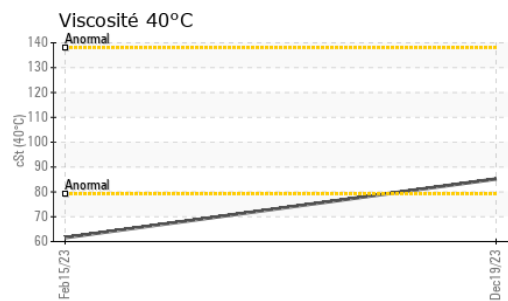
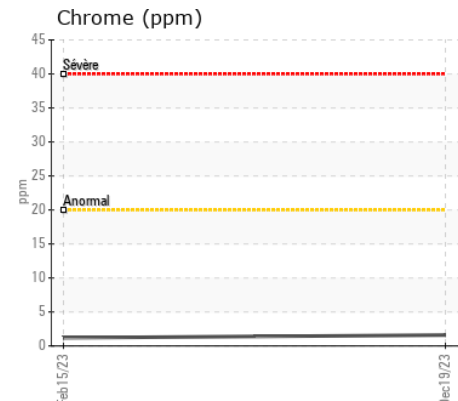
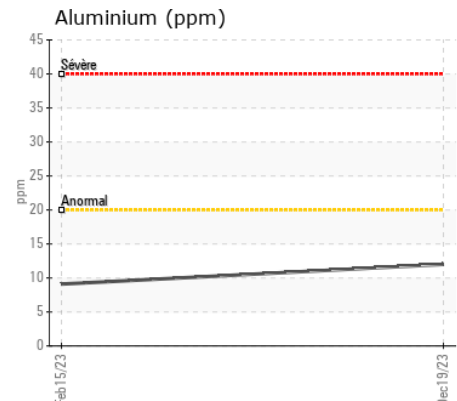
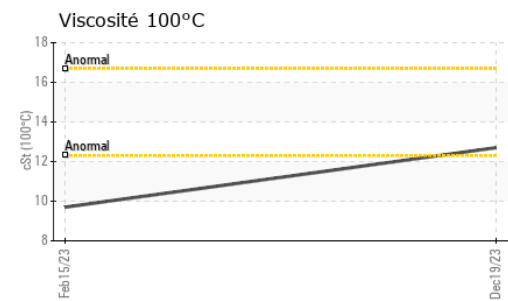
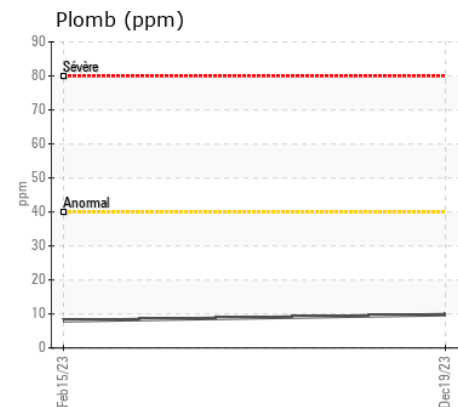
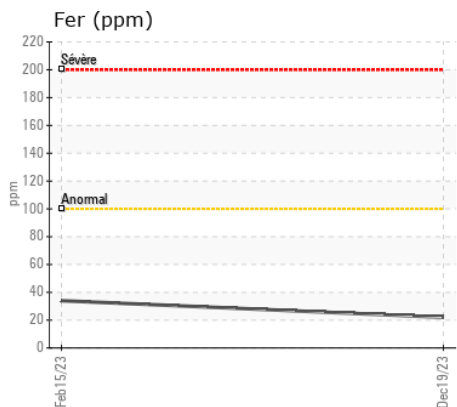
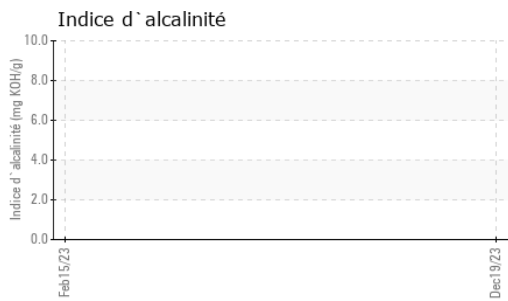
**CONTAMINATION**

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.

**ÉTAT DU FLUIDE**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0076046</b>	PC0071469	---
Date d'échant.		Client Info		<b>19 Dec 2023</b>	15 Feb 2023	---
Âge d la Machine	kms	Client Info		<b>22533</b>	10071	---
Âge de l'huile	kms	Client Info		<b>0</b>	0	---
Âge du filtre	kms	Client Info		<b>0</b>	0	---
Huile changée		Client Info		<b>N/A</b>	N/A	---
Filtre changé		Client Info		<b>N/A</b>	N/A	---
Statut de l'échant.				<b>NORMAL</b>	ABNORMAL	---
Fer	ppm	ASTM D5185(m)	>100	<b>22</b>	34	---
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	1	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>12</b>	9	---
Plomb	ppm	ASTM D5185(m)	>40	<b>10</b>	8	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>412</b>	▲ 350	---
Étain	ppm	ASTM D5185(m)	>15	<b>3</b>	6	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	7	---
Potassium	ppm	ASTM D5185(m)	>20	<b>33</b>	14	---
Essence		WC Method	>5	<b>&lt;1.0</b>	0.4	---
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0.1</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	7.6	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.9</b>	24.5	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185(m)		<b>2</b>	4	---
Bore	ppm	ASTM D5185(m)		<b>6</b>	52	---
Baryum	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Molybdène	ppm	ASTM D5185(m)		<b>56</b>	42	---
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	---
Magnésium	ppm	ASTM D5185(m)		<b>882</b>	506	---
Calcium	ppm	ASTM D5185(m)		<b>1195</b>	1765	---
Phosphore	ppm	ASTM D5185(m)		<b>936</b>	789	---
Zinc	ppm	ASTM D5185(m)		<b>1114</b>	897	---
Soufre	ppm	ASTM D5185(m)		<b>2295</b>	1892	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	21.9	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		<b>9.65</b>	---	---
Visc 40°C	cSt	ASTM D7279(m)		<b>85.2</b>	61.6	---
Visc 100°C	cSt	ASTM D7279(m)		<b>12.7</b>	9.7	---
Indice de viscosité (VI)	Scale	ASTM D2270*		<b>147</b>	140	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0076046 **Reçu** : 20 Dec 2023  
**N° de laboratoire** : 02604336 **Diagnostiqué** : 22 Dec 2023  
**Numéro unique** : 5697421 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 2 ( Additional Tests: KV40, VI )

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.