



Identité de la machine

**1522**

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>PC0082573</b>	PC0072120	PC0060694
Date d'échant.		Client Info		<b>24 Oct 2023</b>	24 May 2023	02 Nov 2022
Âge d la Machine	hrs	Client Info		<b>1492</b>	998	510
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>40</b>	38	63
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>34</b>	47	72
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>3</b>	6	17
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

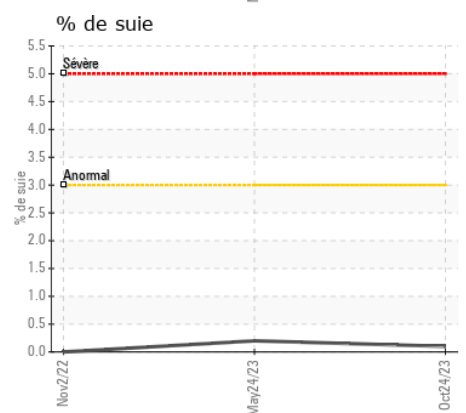
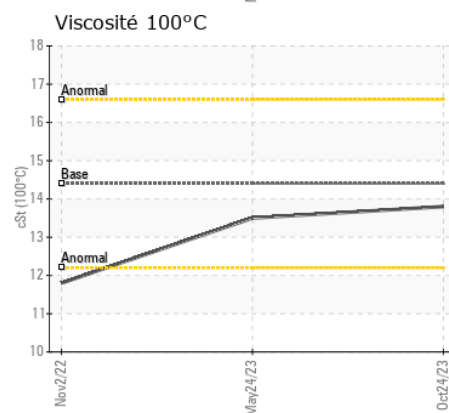
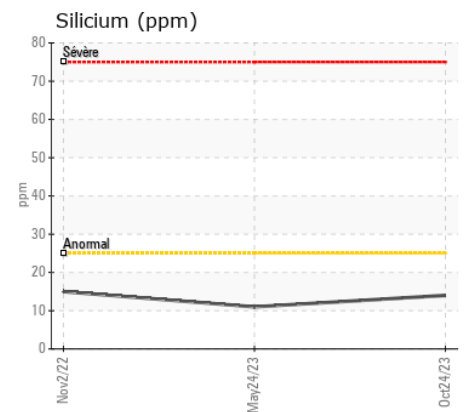
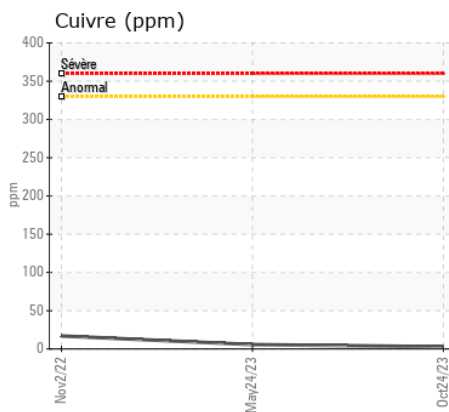
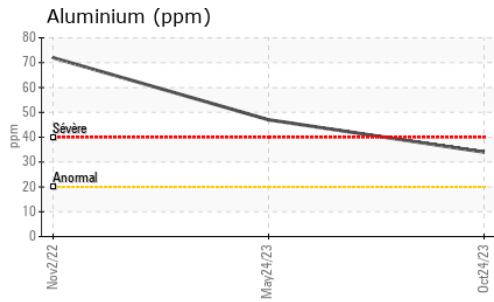
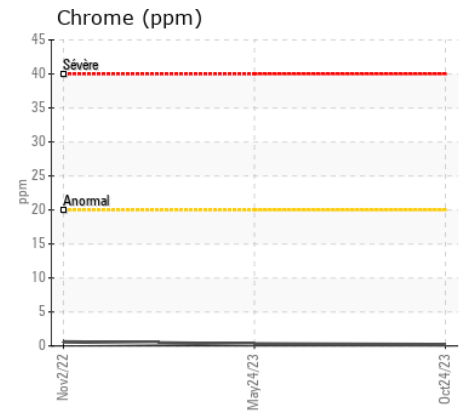
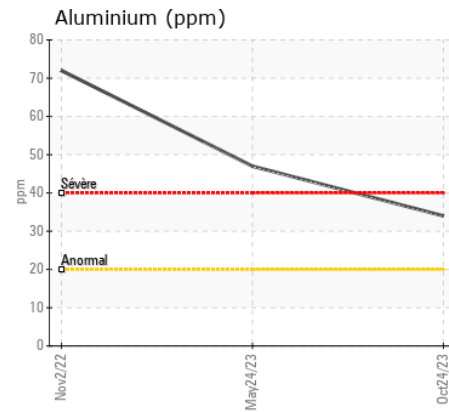
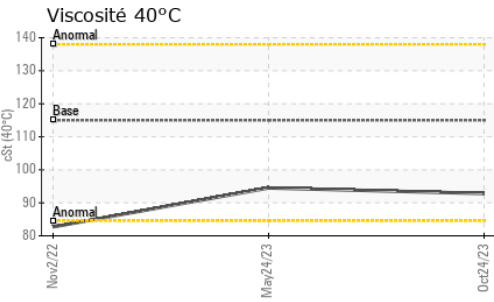
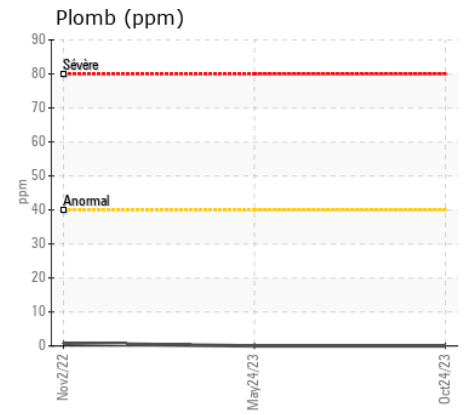
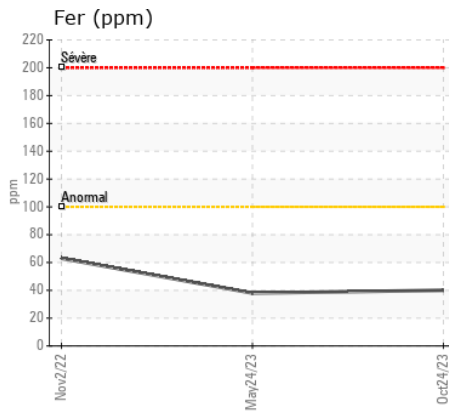
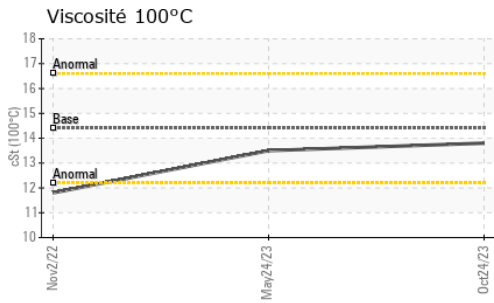
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>14</b>	11	15
Potassium	ppm	ASTM D5185(m)	>20	<b>91</b>	110	204
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	0.7
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.1</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.0</b>	9.7	10.0
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>21.4</b>	20.4	22.4
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>2</b>	2	5
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	5	39
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	1
Molybdène	ppm	ASTM D5185(m)	100	<b>56</b>	52	3
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	2
Magnésium	ppm	ASTM D5185(m)	450	<b>925</b>	953	730
Calcium	ppm	ASTM D5185(m)	3000	<b>1200</b>	1179	1419
Phosphore	ppm	ASTM D5185(m)	1150	<b>1022</b>	1056	775
Zinc	ppm	ASTM D5185(m)	1350	<b>1221</b>	1154	816
Soufre	ppm	ASTM D5185(m)	4250	<b>2602</b>	2616	2585
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.0</b>	16.7	17.1
Visc 40°C	cSt	ASTM D7279(m)	115	<b>92.8</b>	94.5	82.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.8</b>	13.5	11.8
Indice de viscosité (VI)	Scale	ASTM D2270*	126	<b>151</b>	143	135



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0082573 **Reçu** : 25 Oct 2023  
**N° de laboratoire** : 02591675 **Diagnostiqué** : 25 Oct 2023  
**Numéro unique** : 5668754 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( 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.