



Identité de la machine

**1593**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 5W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 5W40. Please confirm.  
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>PC0078350</b>	PC0072113	PC0065839
Date d'échant.		Client Info		<b>30 Aug 2023</b>	04 Jun 2023	02 Nov 2022
Âge d la Machine	hrs	Client Info		<b>6670</b>	6092	5078
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>	MARGINAL	NORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>22</b>	24	27
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>27</b>	8	16
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>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

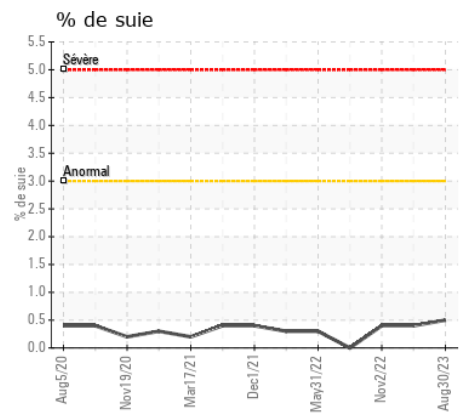
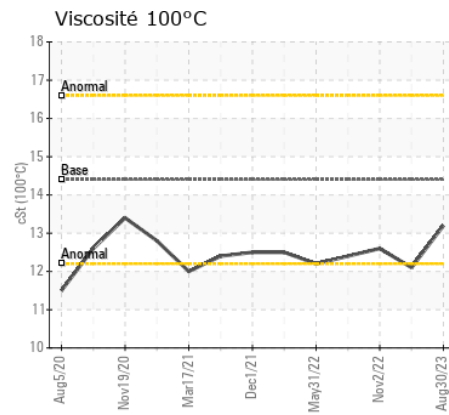
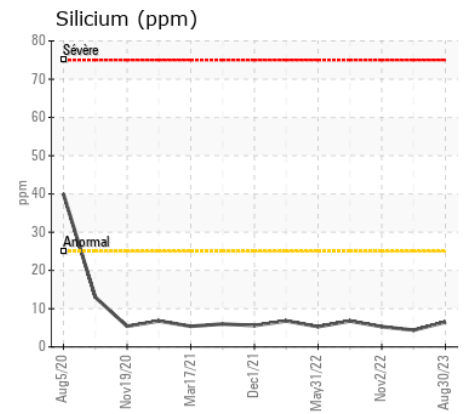
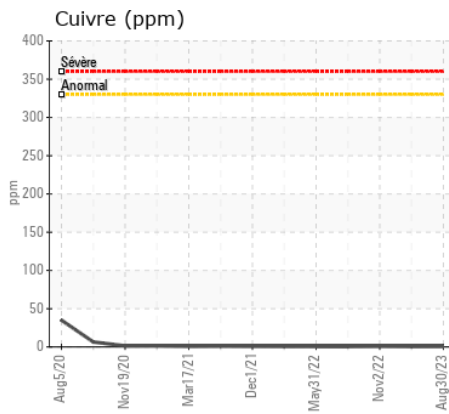
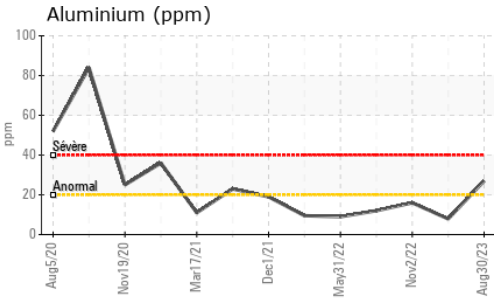
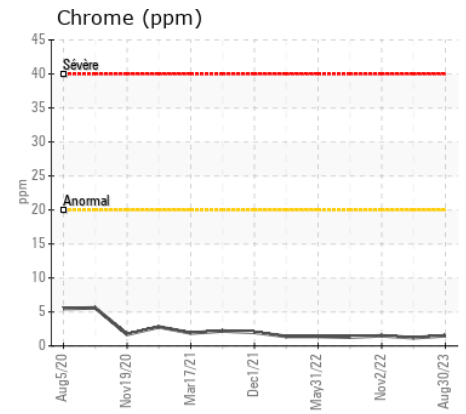
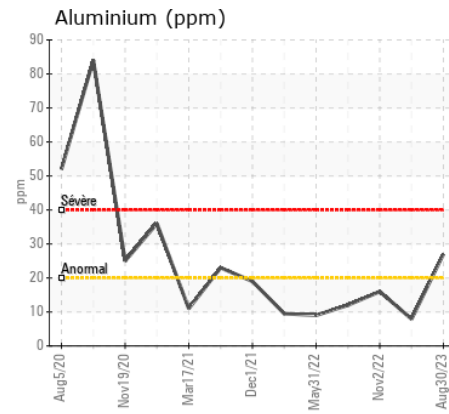
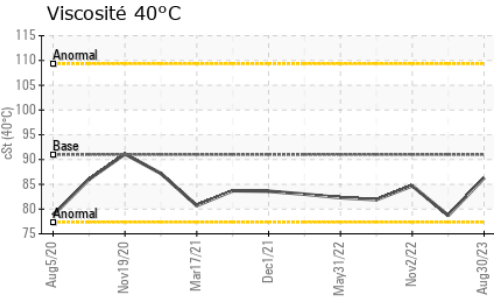
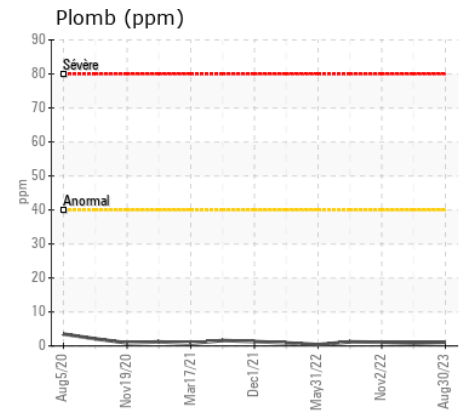
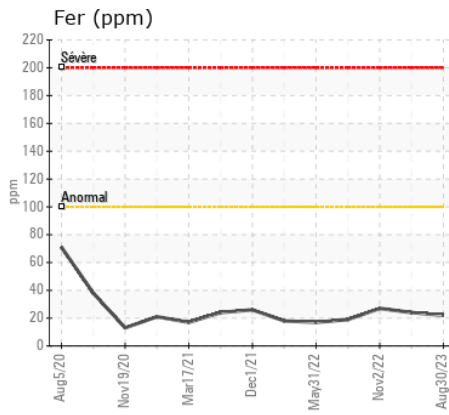
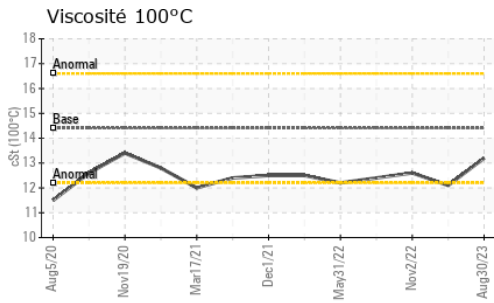
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>78</b>	23	36
Essence		WC Method	>5	<b>&lt;1.0</b>	▲ 2	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.5</b>	0.4	0.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.0</b>	8.8	9.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.1</b>	21.9	21.7
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>	5	6
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	6	2
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>59</b>	57	59
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>967</b>	891	946
Calcium	ppm	ASTM D5185(m)	3000	<b>1160</b>	1347	1139
Phosphore	ppm	ASTM D5185(m)	1150	<b>1102</b>	1087	1080
Zinc	ppm	ASTM D5185(m)	1350	<b>1224</b>	1219	1193
Soufre	ppm	ASTM D5185(m)	4250	<b>2612</b>	2714	2575
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	16.9	16.4
Visc 40°C	cSt	ASTM D7279(m)	91	<b>86.3</b>	78.7	84.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.2</b>	12.1	12.6
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>153</b>	149	146



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.  
**N° d'échantillon** : PC0078350 **Reçu** : 31 Aug 2023  
**N° de laboratoire** : 02579619 **Diagnostiqué** : 31 Aug 2023  
**Numéro unique** : 5632679 **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.