



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>

Identité de la machine

**INTERNATIONAL 52910**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0813014</b>	WC0787334	---
Date d'échant.		Client Info		<b>16 Jun 2023</b>	05 Apr 2023	---
Âge d la Machine	mls	Client Info		<b>69475</b>	34599	---
Âge de l'huile	mls	Client Info		<b>35241</b>	0	---
Âge du filtre	mls	Client Info		<b>35241</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>	NORMAL	---

## USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	<b>22</b>	66	---
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
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>10</b>	13	---
Plomb	ppm	ASTM D5185(m)	>40	<b>2</b>	5	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>5</b>	28	---
Étain	ppm	ASTM D5185(m)	>15	<b>2</b>	3	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

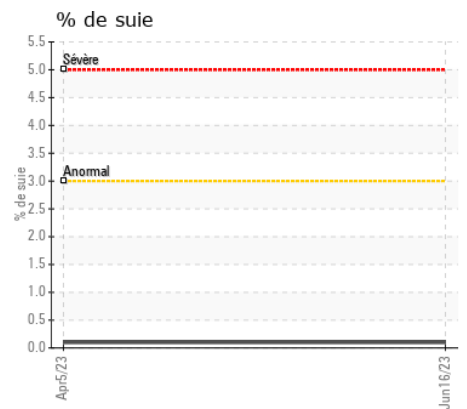
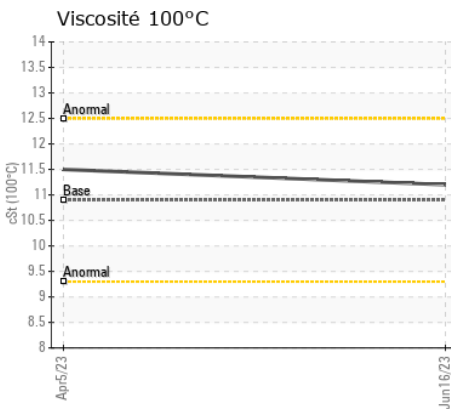
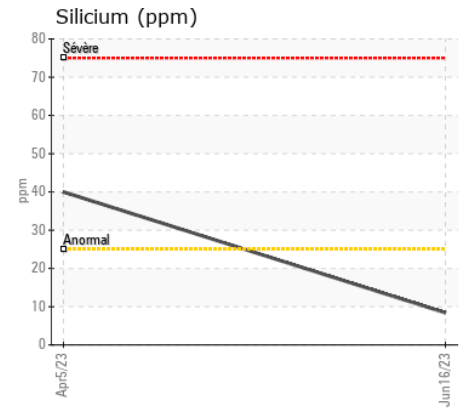
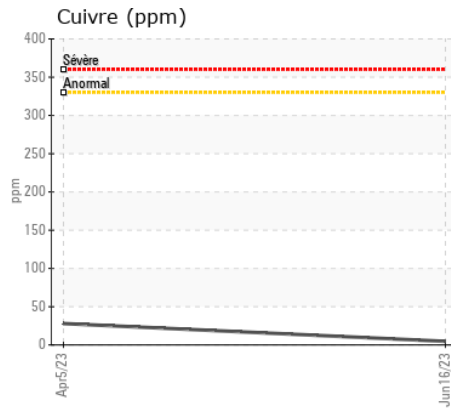
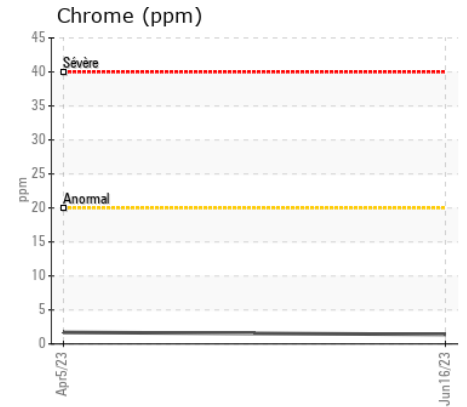
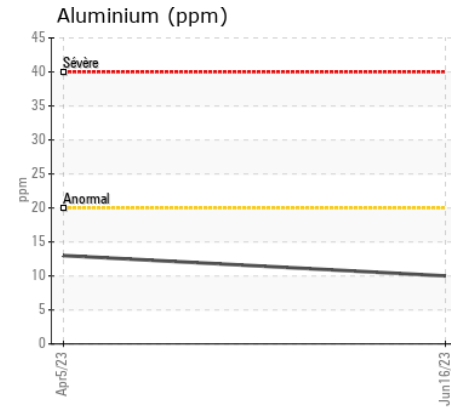
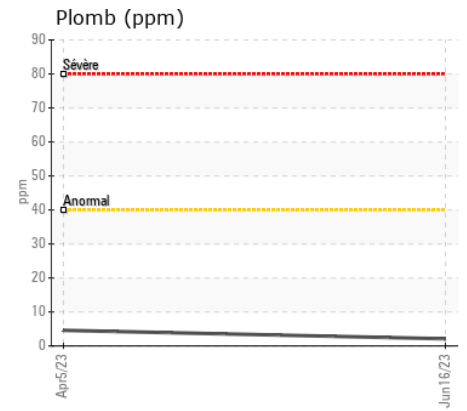
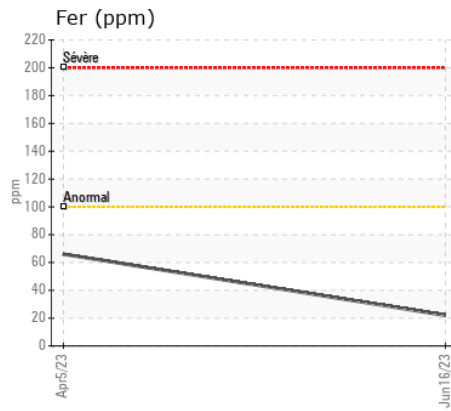
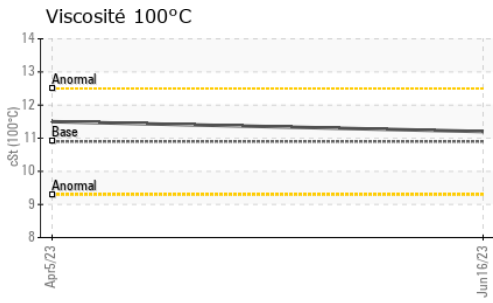
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>8</b>	40	---
Potassium	ppm	ASTM D5185(m)	>20	<b>27</b>	51	---
Essence		WC Method	>2.0	<b>&lt;1.0</b>	0.8	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0.1</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.5</b>	9.1	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.4</b>	21.8	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	4	---
Bore	ppm	ASTM D5185(m)	250	<b>6</b>	56	---
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	5	---
Molybdène	ppm	ASTM D5185(m)	100	<b>61</b>	65	---
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	5	---
Magnésium	ppm	ASTM D5185(m)	450	<b>967</b>	455	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1137</b>	1896	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>1053</b>	1054	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1225</b>	1222	---
Soufre	ppm	ASTM D5185(m)	4250	<b>2431</b>	2540	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.4</b>	18.5	---
Visc 100°C	cSt	ASTM D7279(m)	10.9	<b>11.2</b>	11.5	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0813014 **Reçu** : 26 Jul 2023  
**N° de laboratoire** : 02572185 **Diagnostiqué** : 26 Jul 2023  
**Numéro unique** : 5617236 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1

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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.