



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**RAPPORT D'ANALYSE D'HUILE**

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



Secteur  
**GARNISON DE MTL [167201]**  
Identité de la machine  
**CATERPILLAR GD12162**  
Composant  
**Moteur diesel**  
Fluide  
**DIESEL ENGINE OIL SAE 15W40 (--- LTR)**

**RECOMMANDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WA0019856</b>	GD0003610	---
Date d'échant.		Client Info		<b>28 Jun 2023</b>	18 Apr 2019	---
Âge d la Machine	hrs	Client Info		<b>619</b>	0	---
Âge de l'huile	hrs	Client Info		<b>0</b>	12	---
Âge du filtre	hrs	Client Info		<b>0</b>	12	---
Huile changée		Client Info		<b>Changed</b>	Changed	---
Filtre changé		Client Info		<b>N/A</b>	Changed	---
Statut de l'échant.				<b>NORMAL</b>	NORMAL	---

**USURE**

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Fer	ppm	ASTM D5185(m)	>100	<b>1</b>	11	---
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	---
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	3	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	57	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

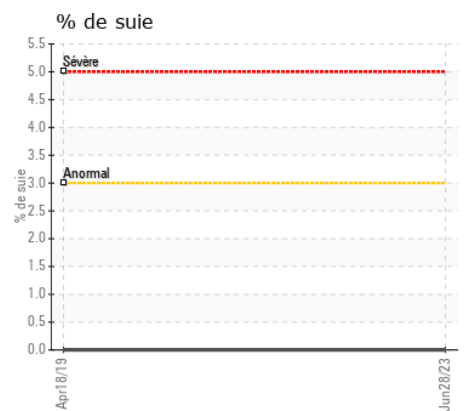
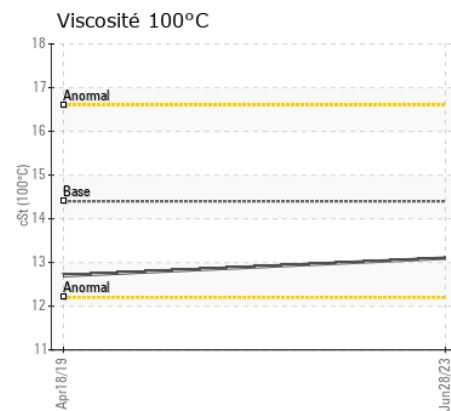
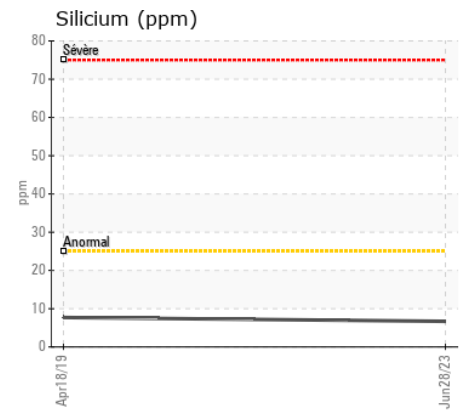
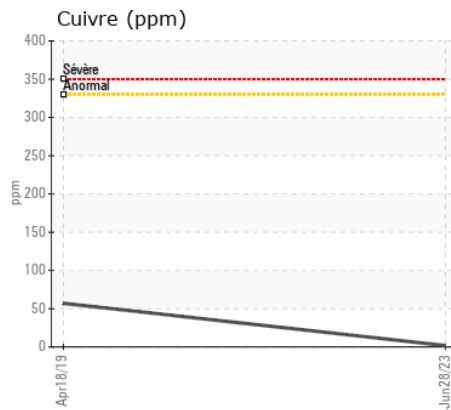
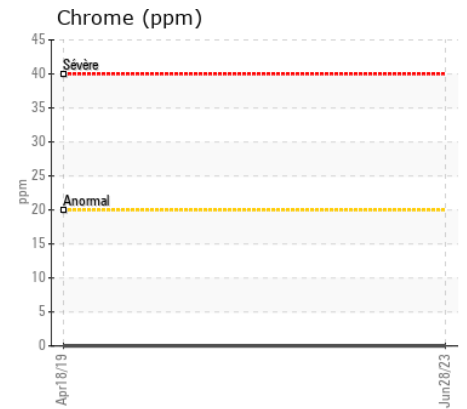
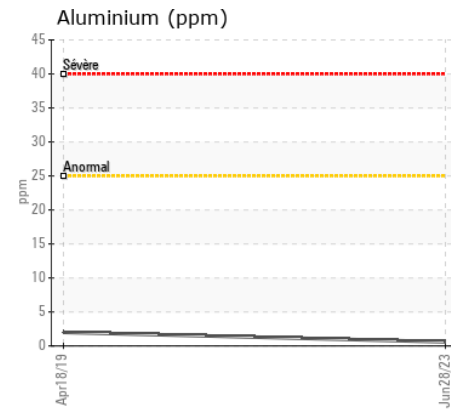
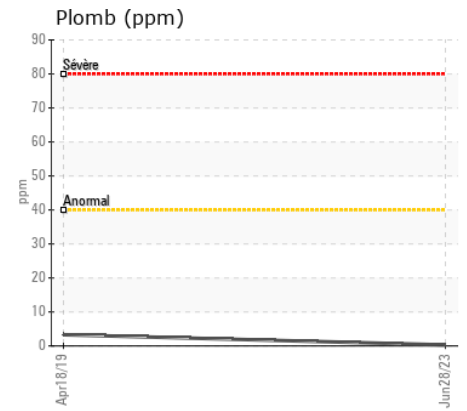
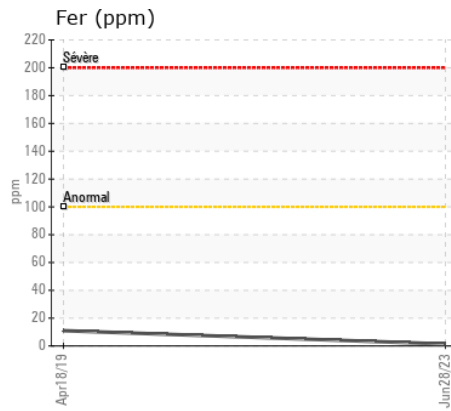
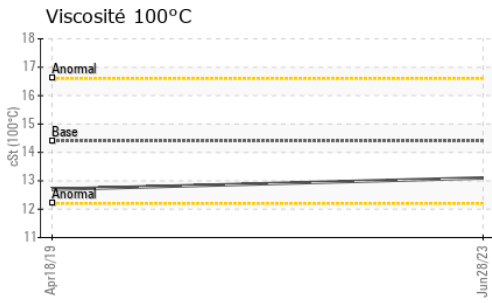
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>7</b>	8	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	3	---
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.8</b>	7.1	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.0</b>	19.9	---
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**ÉTAT DU FLUIDE**

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	4	---
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	43	---
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	<1	---
Molybdène	ppm	ASTM D5185(m)	100	<b>60</b>	7	---
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	450	<b>1031</b>	144	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1075</b>	2195	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>1137</b>	1013	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1236</b>	1171	---
Soufre	ppm	ASTM D5185(m)	4250	<b>2790</b>	3640	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	15.2	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.1</b>	12.7	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WA0019856 **Reçu** : 12 Jul 2023  
**N° de laboratoire** : 02569279 **Diagnostiqué** : 12 Jul 2023  
**Numéro unique** : 5606325 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: Visual )

**Generatrice Drummond**  
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 CA J0C 1K0  
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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.  
 Validity of results and interpretation are based on the sample and information as supplied.