



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

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



Secteur  
**(370073)**  
Identité de la machine  
**LIEBHERR L566 066836-1758**  
Composant  
**Moteur diesel**  
Fluide  
**PETRO CANADA 10W40 (--- GAL)**

### 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>LH0261127</b>	LH0227687	---
Date d'échant.		Client Info		<b>08 Sep 2023</b>	23 Jul 2023	---
Âge d la Machine	hrs	Client Info		<b>1678</b>	477	---
Âge de l'huile	hrs	Client Info		<b>0</b>	0	---
Âge du filtre	hrs	Client Info		<b>0</b>	0	---
Huile changée		Client Info		<b>Changed</b>	N/A	---
Filtre changé		Client Info		<b>N/A</b>	N/A	---
Statut de l'échant.				<b>NORMAL</b>	NORMAL	---

### USURE

Les taux d'usure de tous les composants sont normaux.

Fer	ppm	ASTM D5185(m)	>100	<b>4</b>	8	---
Chrome	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Titane	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	---
Plomb	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	4	---
Cuivre	ppm	ASTM D5185(m)	>125	<b>4</b>	71	---
Étain	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

### CONTAMINATION

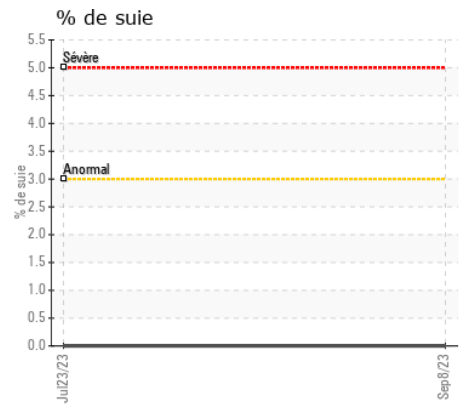
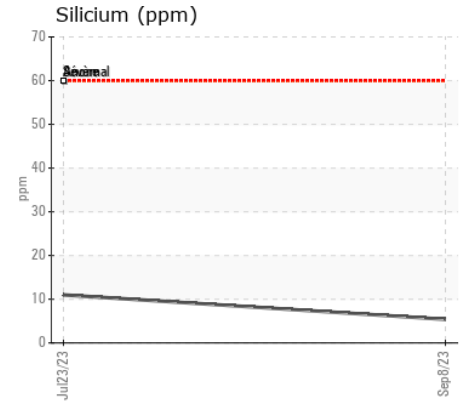
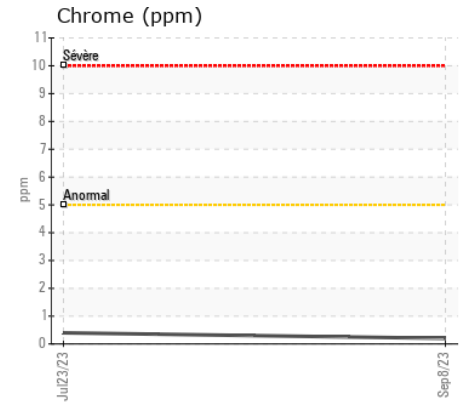
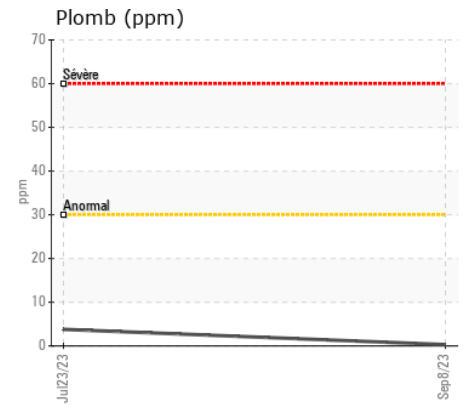
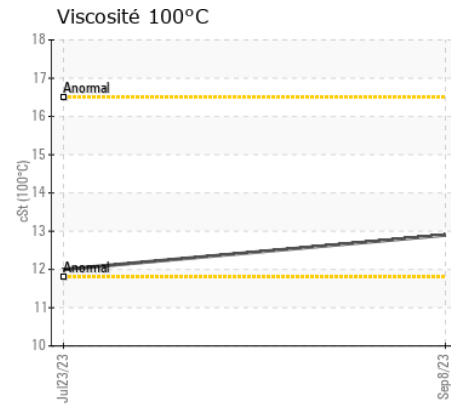
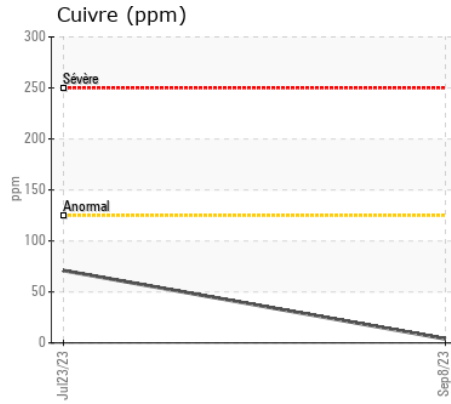
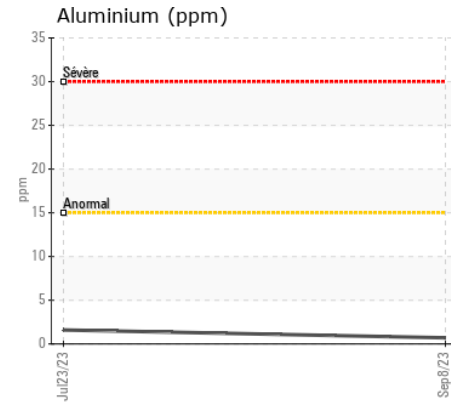
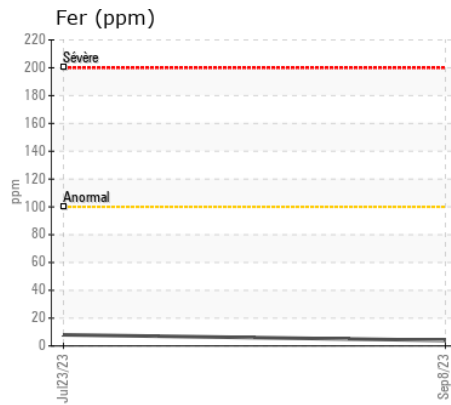
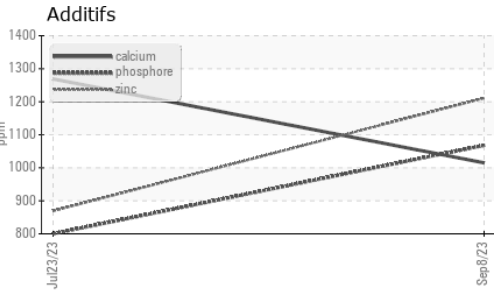
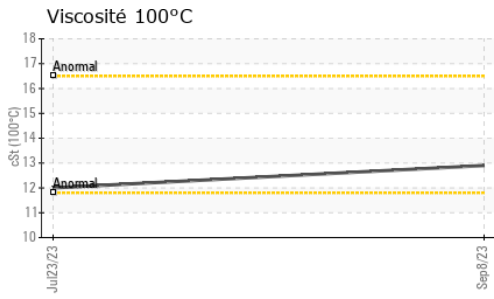
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>60	<b>5</b>	11	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	3	---
Essence		WC Method	>5	<b>&lt;1.0</b>	1.1	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.4</b>	10.9	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.7</b>	38.9	---
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)	>20	<b>1</b>	2	---
Bore	ppm	ASTM D5185(m)		<b>21</b>	97	---
Baryum	ppm	ASTM D5185(m)		<b>&lt;1</b>	17	---
Molybdène	ppm	ASTM D5185(m)		<b>59</b>	45	---
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Magnésium	ppm	ASTM D5185(m)		<b>1024</b>	935	---
Calcium	ppm	ASTM D5185(m)		<b>1015</b>	1269	---
Phosphore	ppm	ASTM D5185(m)		<b>1068</b>	800	---
Zinc	ppm	ASTM D5185(m)		<b>1211</b>	869	---
Soufre	ppm	ASTM D5185(m)		<b>2687</b>	1975	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.6</b>	48.7	---
Visc 100°C	cSt	ASTM D7279(m)		<b>12.9</b>	12.0	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0261127 **Reçu** : 13 Sep 2023  
**N° de laboratoire** : 02581995 **Diagnostiqué** : 13 Sep 2023  
**Numéro unique** : 5643060 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1

**PAVAGES MASKA INC.**  
 767 PRINCIPALE  
 ST-DOMINIQUE, QC  
 CA J0H 1L0  
 Contact: CLAUDE ST. ONGE

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.

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