



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

USURE **NORMAL**

CONTAMINATION **NORMAL**

ÉTAT DU FLUIDE **NORMAL**



Identité de la machine

**LIEBHERR L556 035180**

Composant

**Transmission (Auto)**

Fluide

**PETRO CANADA 15W40 (12 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>LH</b>	LH0130306	LH
Date d'échant.		Client Info		<b>13 Oct 2023</b>	10 Jul 2018	15 Jan 2018
Âge d la Machine	hrs	Client Info		<b>0</b>	0	17967
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>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

### USURE

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

Fer	ppm	ASTM D5185(m)	>160	<b>19</b>	3	3
Chrome	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>50	<b>11</b>	5	2
Plomb	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>225	<b>2</b>	0	<1
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

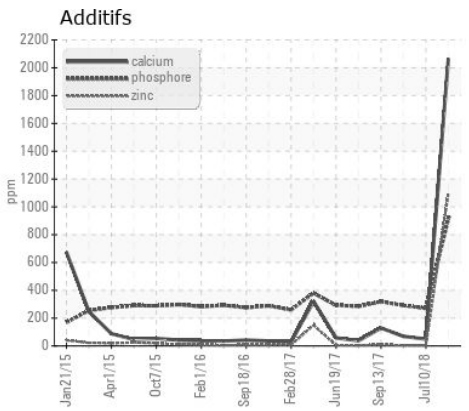
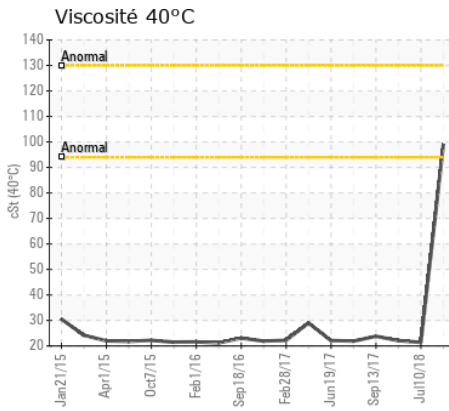
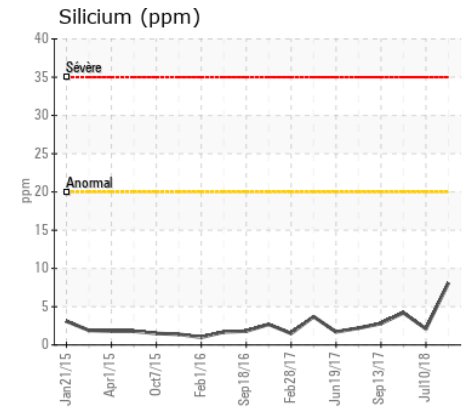
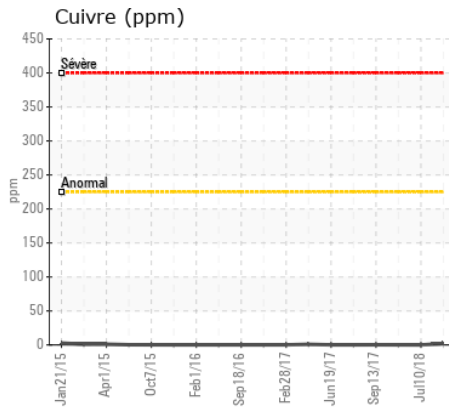
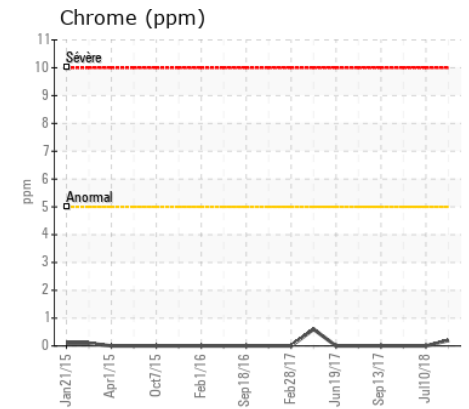
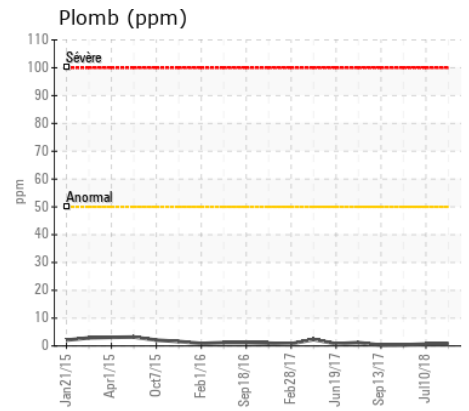
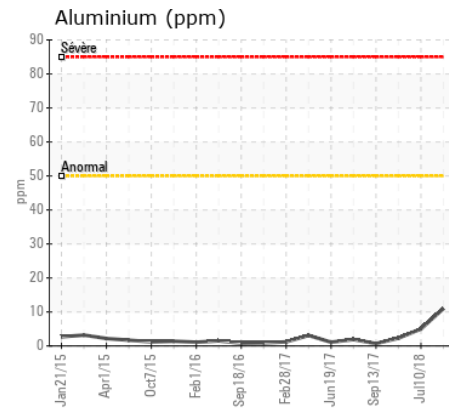
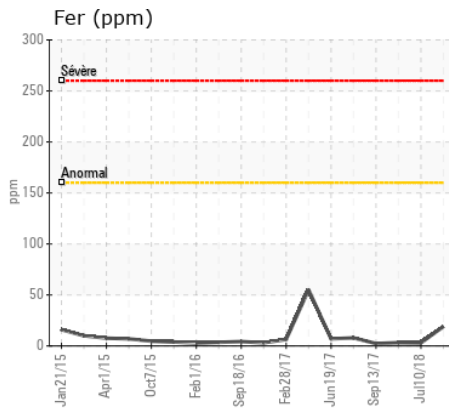
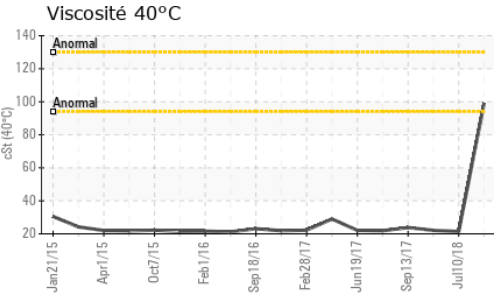
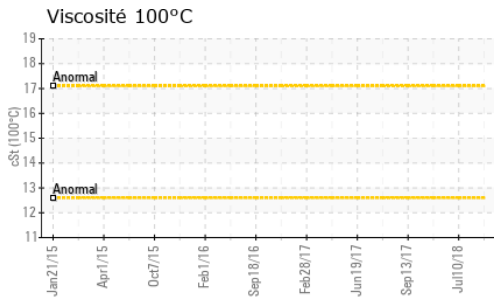
Il n'y a aucun indice de contamination dans le fluide.

Silicium	ppm	ASTM D5185(m)	>20	<b>8</b>	2	4
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	<1	<1
% de suie	%	ASTM D7844*		<b>0.1</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>8.1</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*		<b>20.8</b>	---	---
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

### ÉTAT DU FLUIDE

L'état de le fluide est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	2
Bore	ppm	ASTM D5185(m)		<b>128</b>	123	129
Baryum	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)		<b>13</b>	<1	0
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Magnésium	ppm	ASTM D5185(m)		<b>98</b>	2	2
Calcium	ppm	ASTM D5185(m)		<b>2065</b>	49	69
Phosphore	ppm	ASTM D5185(m)		<b>913</b>	270	291
Zinc	ppm	ASTM D5185(m)		<b>1101</b>	4	5
Soufre	ppm	ASTM D5185(m)		<b>2747</b>	824	839
Oxydation	Abs/.1mm	ASTM D7414*		<b>16.1</b>	---	---
Visc 40°C	cSt	ASTM D7279(m)		<b>99.1</b>	21.4	22.1
Visc 100°C	cSt	ASTM D7279(m)		<b>13.4</b>	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*		<b>134</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH **Reçu** : 17 Oct 2023  
**N° de laboratoire** : 02589458 **Diagnostiqué** : 17 Oct 2023  
**Numéro unique** : 5658524 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: FT-IR, KV100, 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.

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