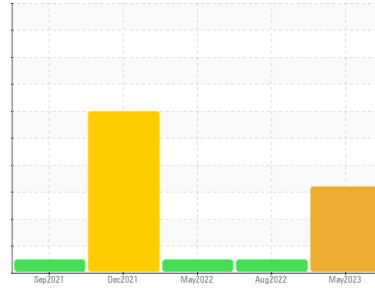




Secteur  
**(354957)**  
Identité de la machine  
**LIEBHERR R918LC 053128-1721**  
Composant  
**Transmission finale Gauche**  
Fluide  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**



**DIAGNOSTIC**

**▲ Recommendation**

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

**▲ Usure**

Iron ppm levels are abnormal. Aluminum ppm levels are noted. Gear wear is indicated.

**▲ Contamination**

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component.

**État Du Fluide**

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

INFORMATION SUR L'éCHANTILLON		methode	limite/base	actuel	passé1	passé2
Numéro d'échant.	Client Info			<b>LH0260815</b>	LH0239158	LH
Date d'échant.	Client Info			<b>15 May 2023</b>	19 Aug 2022	05 May 2022
Âge d la Machine	hrs	Client Info		<b>2992</b>	1980	0
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Huile changée	Client Info			<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>ABNORMAL</b>	NORMAL	NORMAL

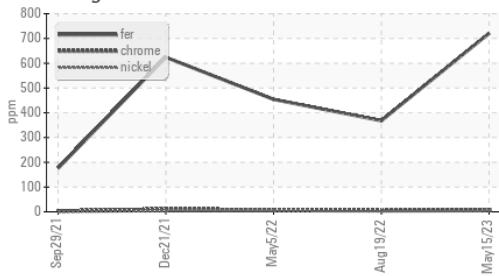
MÉTAUX D'USURE		methode	limite/base	actuel	passé1	passé2
PQ		ASTM D8184*		<b>538</b>	---	---
Fer	ppm	ASTM D5185(m)	>500	<b>▲ 721</b>	368	454
Chrome	ppm	ASTM D5185(m)	>10	<b>8</b>	5	8
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	2	3
Titane	ppm	ASTM D5185(m)		<b>9</b>	2	5
Argent	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>25	<b>▲ 134</b>	34	72
Plomb	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimoine	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Béryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIFS		methode	limite/base	actuel	passé1	passé2
Bore	ppm	ASTM D5185(m)	0	<b>1</b>	1	3
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Molybdène	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Manganèse	ppm	ASTM D5185(m)	0	<b>7</b>	4	6
Magnésium	ppm	ASTM D5185(m)	<1	<b>22</b>	7	17
Calcium	ppm	ASTM D5185(m)	<1	<b>66</b>	27	65
Phosphore	ppm	ASTM D5185(m)	2143	<b>2455</b>	2225	2345
Zinc	ppm	ASTM D5185(m)	<1	<b>12</b>	24	11
Soufre	ppm	ASTM D5185(m)	23468	<b>26595</b>	34925	32954
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

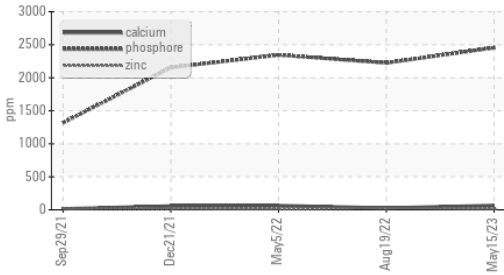
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	>75	<b>▲ 528</b>	129	289
Sodium	ppm	ASTM D5185(m)		<b>42</b>	14	23
Potassium	ppm	ASTM D5185(m)	>20	<b>37</b>	11	23

VISUEL		methode	limite/base	actuel	passé1	passé2
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Précipié	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Limon	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</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*	>0.2	<b>NEG</b>	NEG	NEG
Eau libre	scalar	Visual*		<b>NEG</b>	NEG	NEG

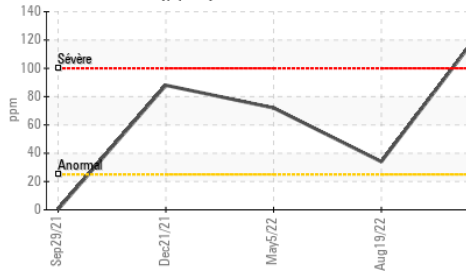
▲ **Alliages ferreux**



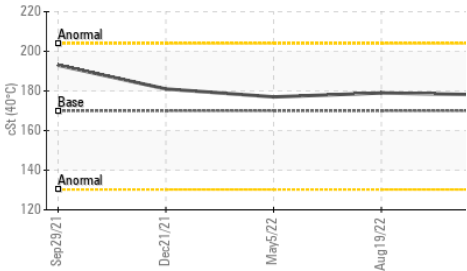
▲ **Additifs**



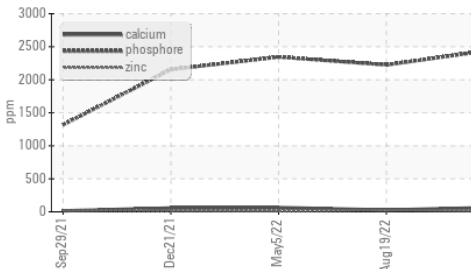
▲ **Aluminium (ppm)**



▲ **Viscosité 40°C**



▲ **Additifs**

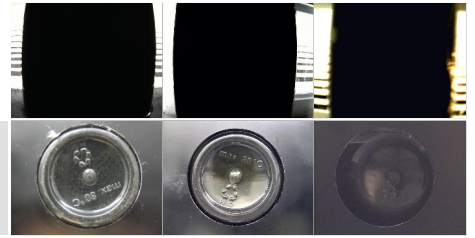


PROPRIÉTÉS DU FLUID	methode	limite/base	actuel	passé1	passé2
Visc 40°C	cSt	ASTM D7279(m)	178	179	177

IMAGES DE L'ÉCHANTILLON	methode	limite/base	actuel	passé1	passé2
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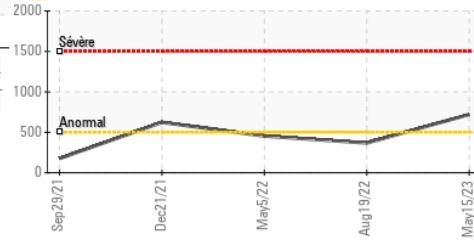
Coluer

Fond

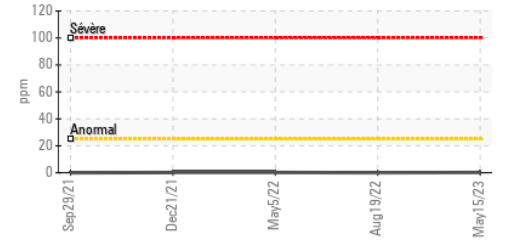


**GRAPHIQUES**

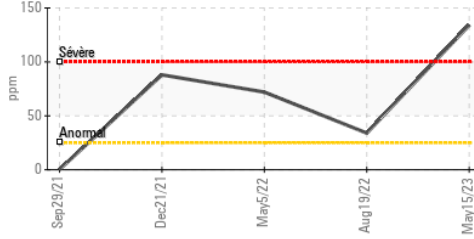
▲ **Fer (ppm)**



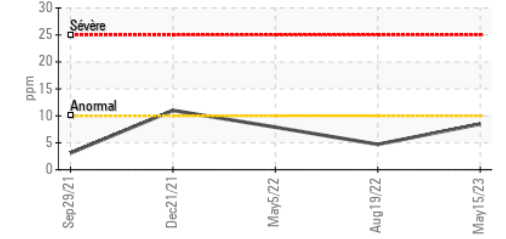
▲ **Plomb (ppm)**



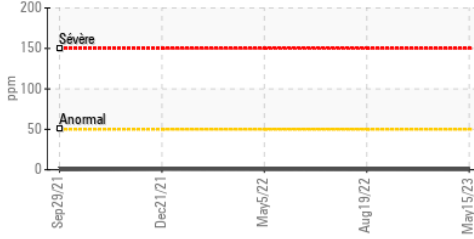
▲ **Aluminium (ppm)**



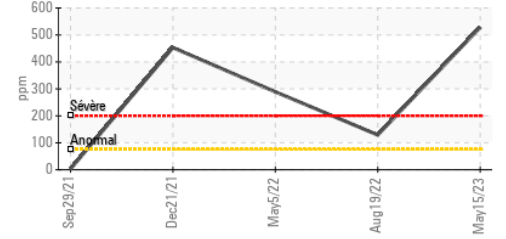
▲ **Chrome (ppm)**



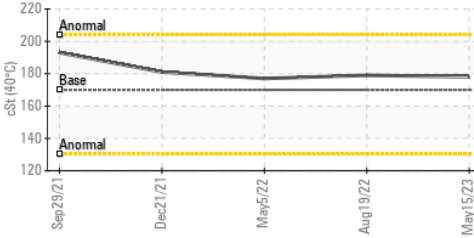
▲ **Cuivre (ppm)**



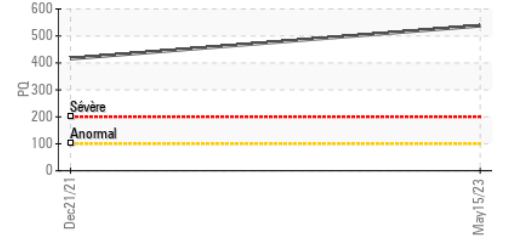
▲ **Silicium (ppm)**



▲ **Viscosité 40°C**



▲ **PQ**



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0260815 **Reçu** : 23 May 2023  
**N° de laboratoire** : 02559041 **Diagnostiqué** : 24 May 2023  
**Numéro unique** : 5580081 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: PQ )

**Polyexcave Inc.**  
 787 Ch. Du Moine  
 St-Anne de Sorel, QC  
 CA J3P 5N3  
 Contact: Service Manager

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.

T:  
F: