



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**SEVERE**

**NORMAL**

**NORMAL**



Area  
**(350505)**  
Machine Id  
**LIEBHERR L566 063481-1758**  
Component  
**Front Right Wheel Hub**  
Fluid  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**

### RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirm the source of the lubricant being utilized for top-up/fill. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### WEAR

Le taux d'antimoine est important.

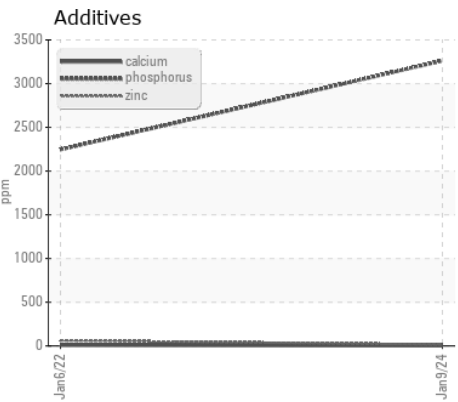
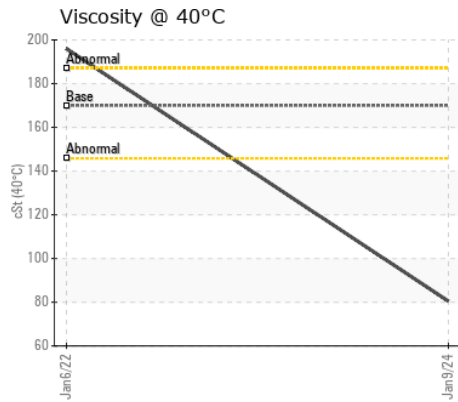
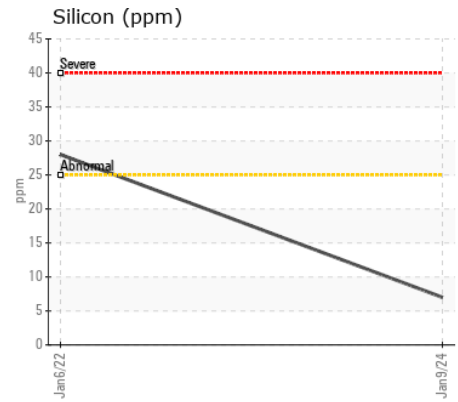
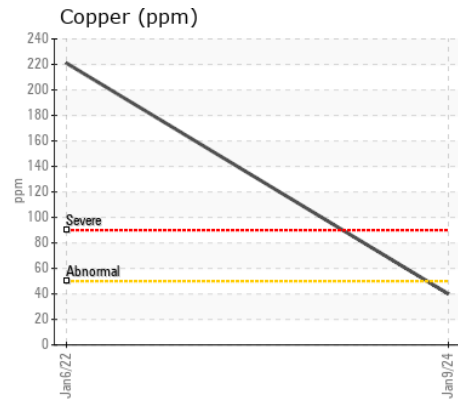
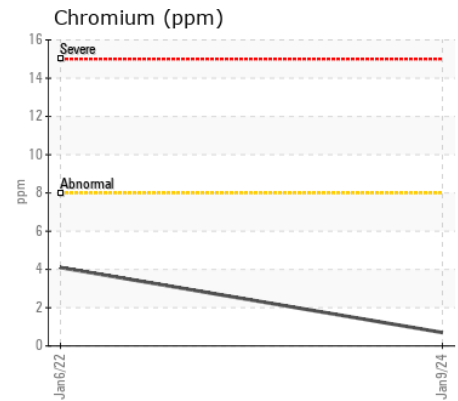
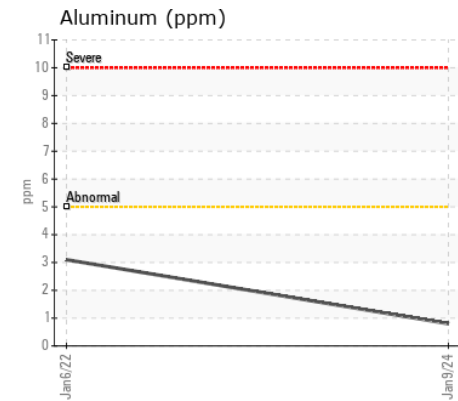
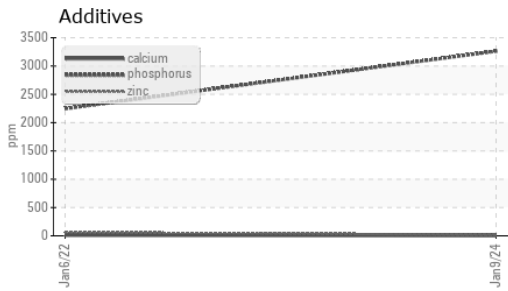
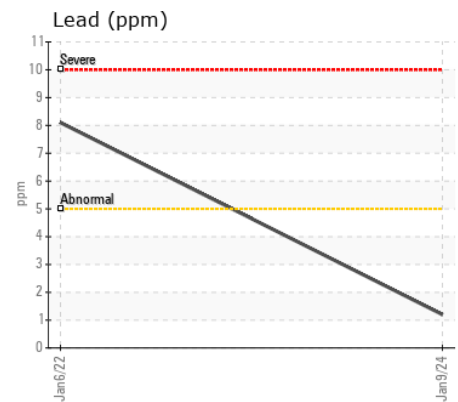
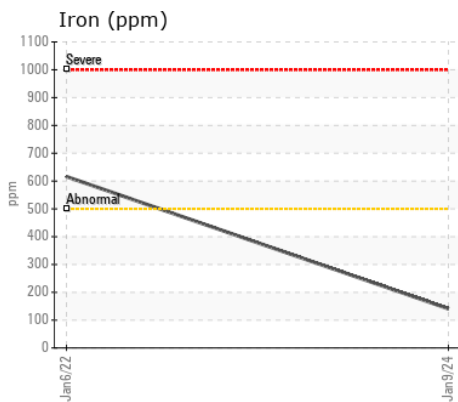
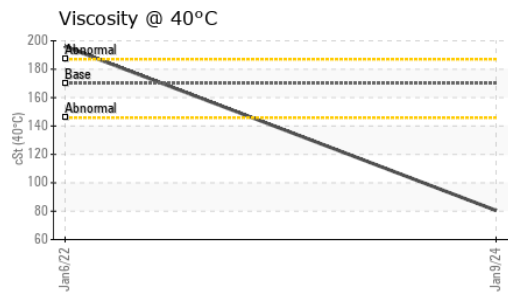
### CONTAMINATION

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

### FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 80; nous vous conseillons de vérifier. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0202347</b>	LH0202308	---
Sample Date		Client Info		<b>09 Jan 2024</b>	06 Jan 2022	---
Machine Age	hrs	Client Info		<b>3646</b>	1097	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	None	---
Sample Status				<b>SEVERE</b>	NORMAL	---
Iron	ppm	ASTM D5185(m)	>500	<b>141</b>	616	---
Chromium	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185(m)	>5	<b>1</b>	7	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	3	---
Lead	ppm	ASTM D5185(m)	>5	<b>1</b>	8	---
Copper	ppm	ASTM D5185(m)	>50	<b>40</b>	221	---
Tin	ppm	ASTM D5185(m)		<b>3</b>	16	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	28	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185(m)		<b>3</b>	8	---
Boron	ppm	ASTM D5185(m)	0	<b>69</b>	3	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)	0	<b>6</b>	49	---
Magnesium	ppm	ASTM D5185(m)	<1	<b>&lt;1</b>	4	---
Calcium	ppm	ASTM D5185(m)	<1	<b>4</b>	11	---
Phosphorus	ppm	ASTM D5185(m)	2143	<b>3262</b>	2246	---
Zinc	ppm	ASTM D5185(m)	<1	<b>16</b>	62	---
Sulfur	ppm	ASTM D5185(m)	23468	<b>21748</b>	26153	---
Visc @ 40°C	cSt	ASTM D7279(m)	170	<b>80.5</b>	196	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0202347 **Received** : 10 Jan 2024  
**Lab Number** : 02607968 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 5709054 **Diagnostician** : Kevin Marson  
**Test Package** : MOBCE ( Additional Tests: Visual )

**PAVAGES MASKA INC.**  
 3450 BOULEVARD CHOQUETTE  
 SAINT-HYACINTHE, QC  
 CA J2S 8V9  
 Contact: Guillaume St-Onge  
 gstonge@pavagemaska.qc.ca  
 T:  
 F:

To discuss this sample report, contact Customer Service at 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.