



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR LH30M 150670-1253**  
Component  
**Rear Differential**  
Fluid  
**SAE 80 (--- GAL)**

### RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### WEAR

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

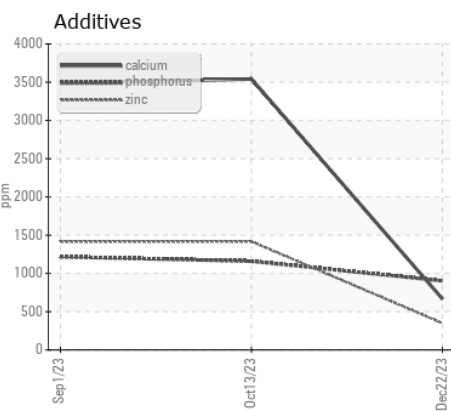
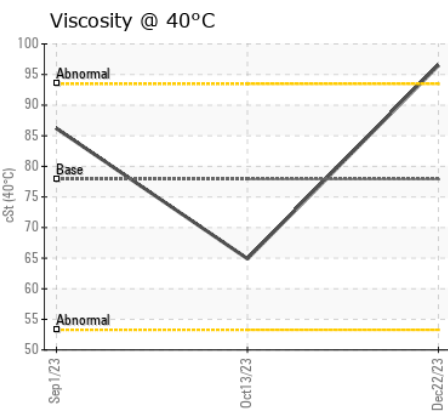
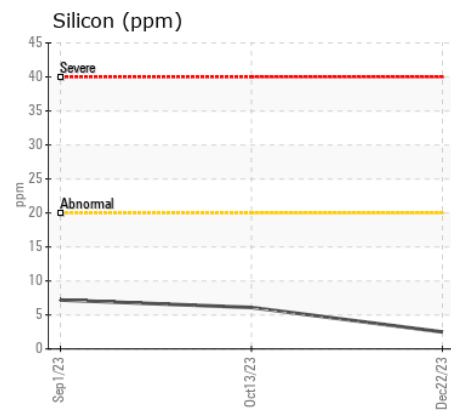
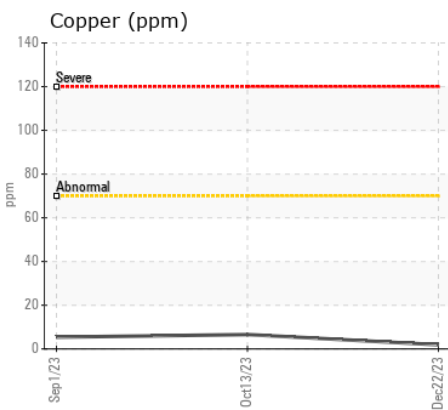
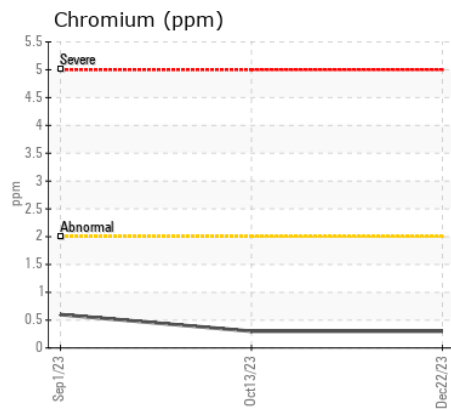
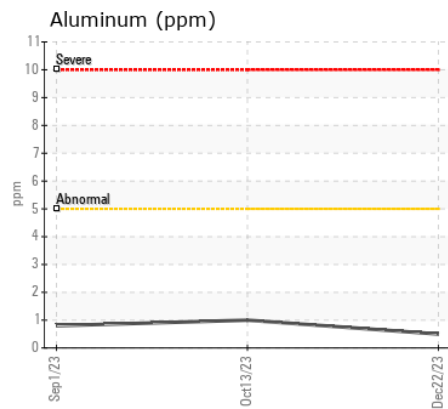
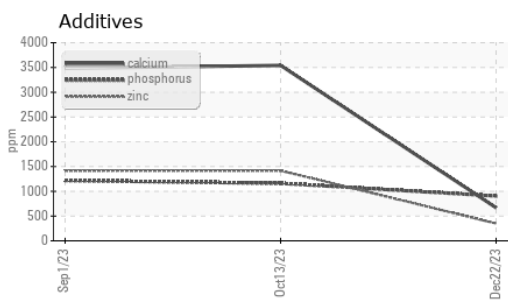
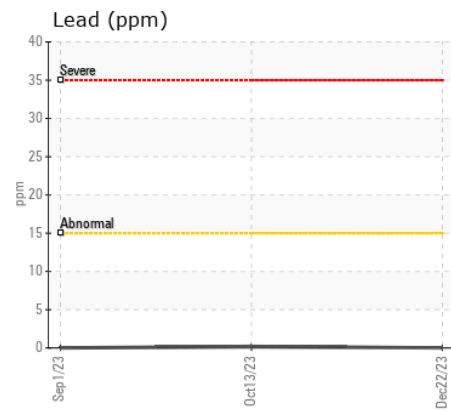
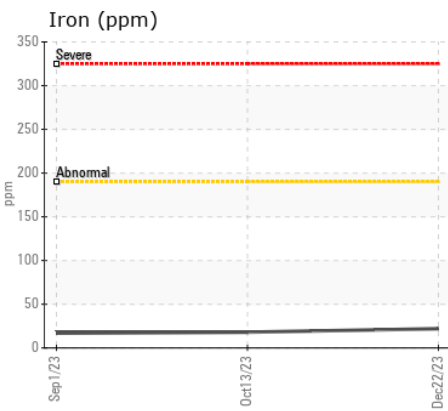
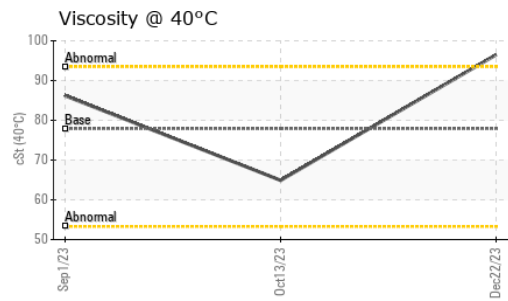
### CONTAMINATION

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

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0271948</b>	LH0271936	LH0271924
Sample Date		Client Info		<b>22 Dec 2023</b>	13 Oct 2023	01 Sep 2023
Machine Age	hrs	Client Info		<b>1550</b>	825	458
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>190	<b>22</b>	18	17
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>70	<b>2</b>	7	5
Tin	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	6	7
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>3</b>	17	17
Boron	ppm	ASTM D5185(m)		<b>94</b>	103	101
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185(m)		<b>3</b>	10	10
Calcium	ppm	ASTM D5185(m)		<b>668</b>	3542	3484
Phosphorus	ppm	ASTM D5185(m)		<b>903</b>	1160	1218
Zinc	ppm	ASTM D5185(m)		<b>350</b>	1417	1416
Sulfur	ppm	ASTM D5185(m)		<b>18435</b>	2998	2889
Visc @ 40°C	cSt	ASTM D7279(m)	77.9	<b>96.5</b>	64.9	86.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Gestion Transfor - Transport La Dore**  
**Sample No.** : LH0271948 **Received** : 18 Jan 2024 5750 Rue des Peupliers  
**Lab Number** : 02609775 **Diagnosed** : 19 Jan 2024 La Dore, QC  
**Unique Number** : 5710861 **Diagnostician** : Kevin Marson CA G8J 1G4  
**Test Package** : MOBCE ( Additional Tests: Visual )

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.

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