



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR LH26M 146752-1252**  
Component  
**Front Right Wheel Hub**  
Fluid  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**

### RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0266496</b>	LH0266485	LH0266474
Sample Date		Client Info		<b>09 May 2024</b>	30 Jan 2024	16 Oct 2023
Machine Age	hrs	Client Info		<b>3030</b>	2021	1053
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>Not Chngd</b>	Changed	N/A
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>650	<b>204</b>	148	48
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>60	<b>20</b>	34	6
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

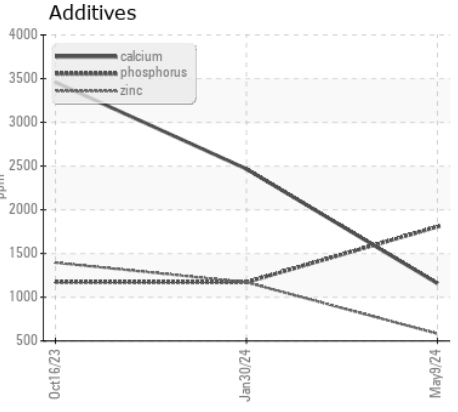
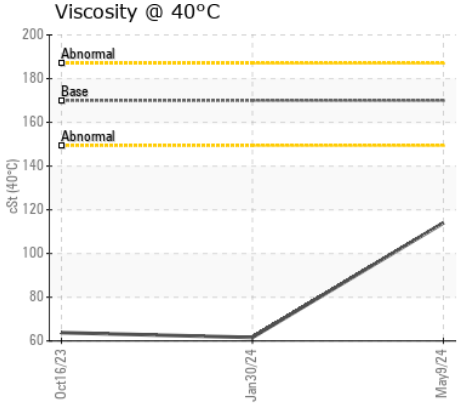
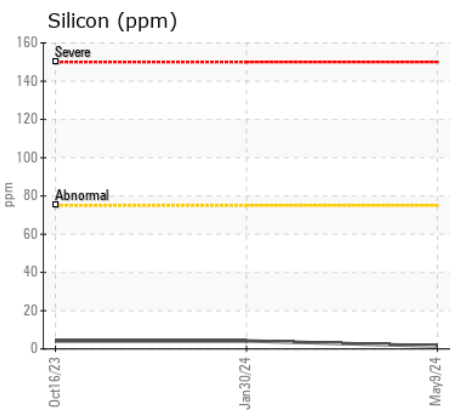
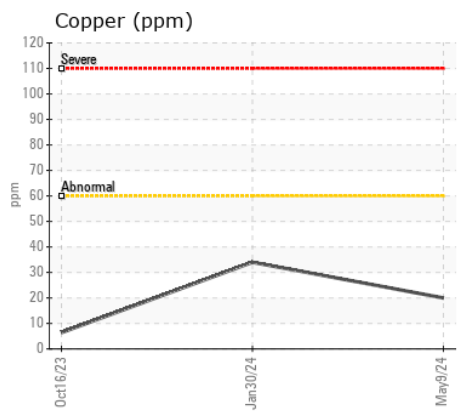
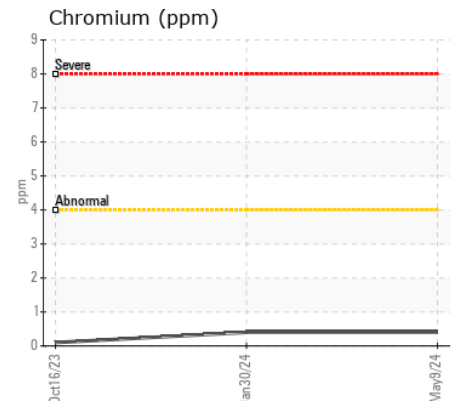
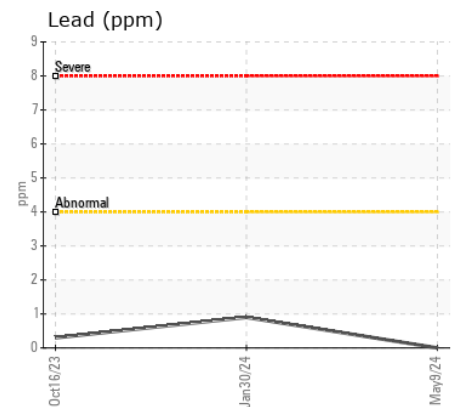
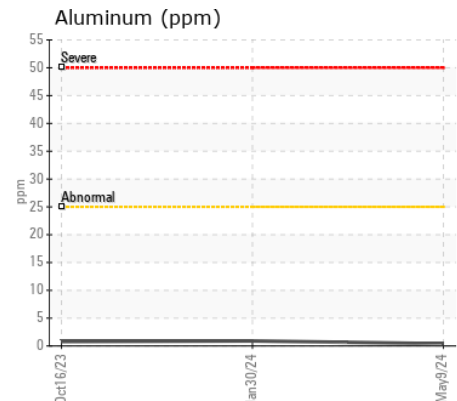
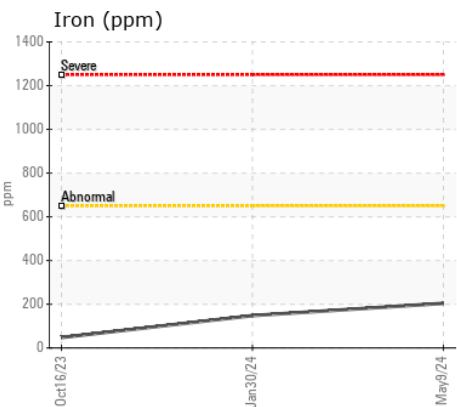
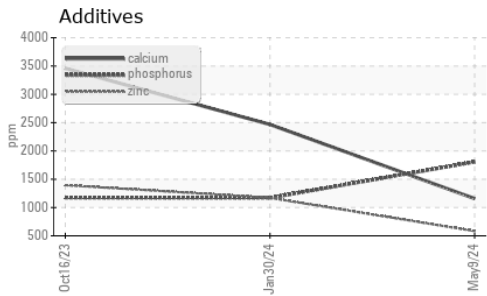
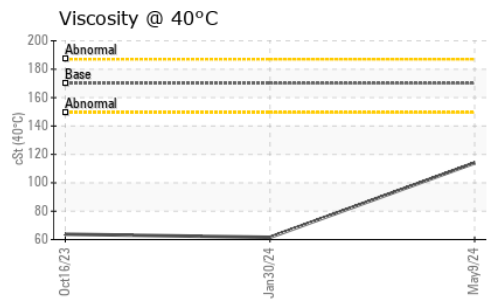
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>75	<b>2</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	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*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 90; 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.

Sodium	ppm	ASTM D5185(m)		<b>13</b>	14	17
Boron	ppm	ASTM D5185(m)	0	<b>17</b>	65	94
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0	<b>2</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	<1	<b>4</b>	6	9
Calcium	ppm	ASTM D5185(m)	<1	<b>1158</b>	2467	3459
Phosphorus	ppm	ASTM D5185(m)	2143	<b>1806</b>	1171	1173
Zinc	ppm	ASTM D5185(m)	<1	<b>583</b>	1171	1395
Sulfur	ppm	ASTM D5185(m)	23468	<b>21401</b>	2985	2976
Visc @ 40°C	cSt	ASTM D7279(m)	170	<b>114</b>	61.6	63.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0266496 **Received** : 28 May 2024  
**Lab Number** : 02638236 **Tested** : 29 May 2024  
**Unique Number** : 5787398 **Diagnosed** : 29 May 2024 - Kevin Marson  
**Test Package** : MOBCE

**J.M. CHAMPEAU INC.**  
 491 ROUTE 253  
 SAINT-MALO, QC  
 CA J0B 2Y0  
 Contact: Bruno Champeau  
 bruno@champeau.com  
 T: (819)658-2244  
 F: (819)658-2128

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.