



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR LH22M 158368-1250**  
Component  
**Front Differential**  
Fluid  
**SAE 75W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0284683</b>	LH0284727	---
Sample Date		Client Info		<b>25 Jun 2024</b>	10 Apr 2024	---
Machine Age	hrs	Client Info		<b>1070</b>	500	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>None</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	<b>8</b>	20	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>125	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

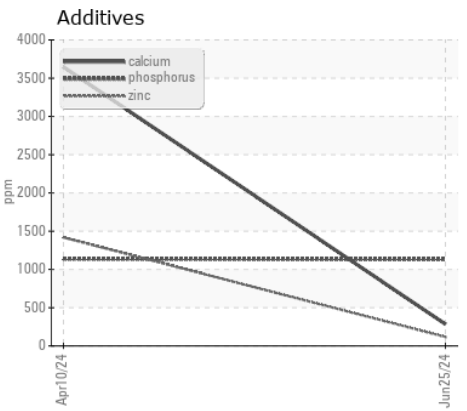
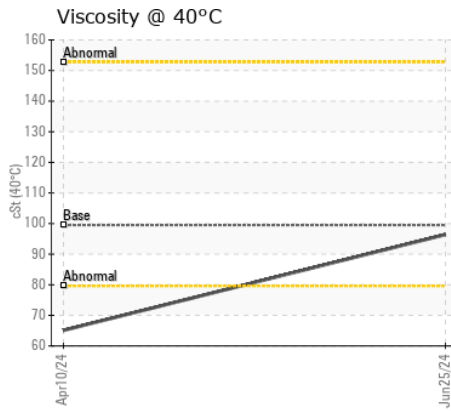
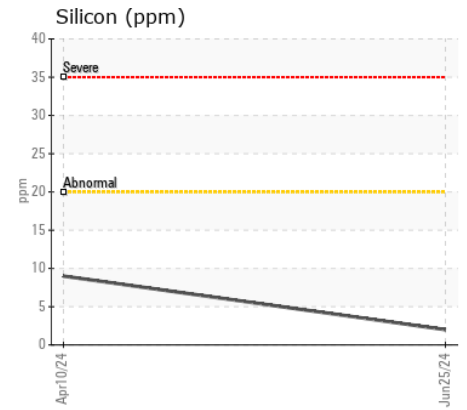
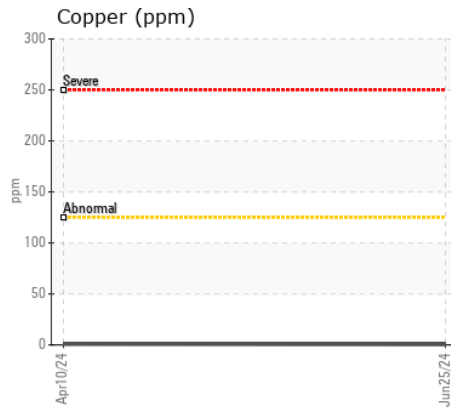
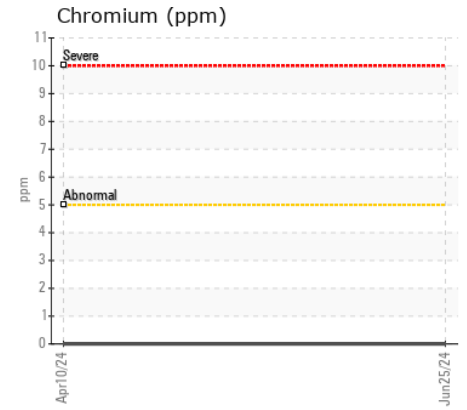
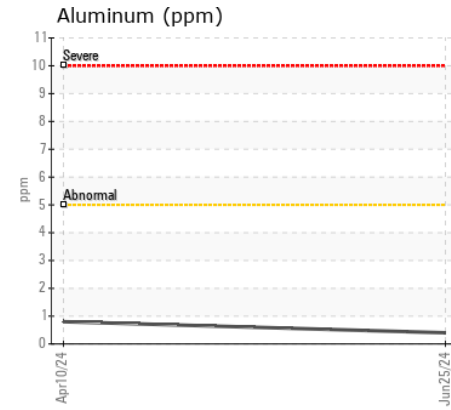
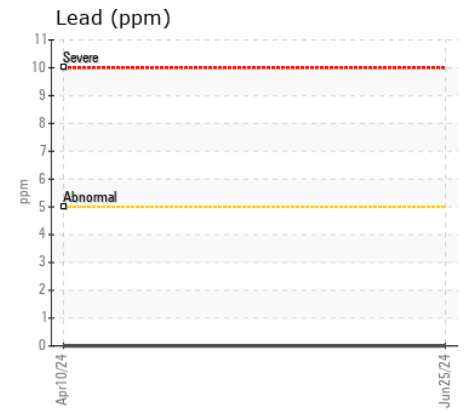
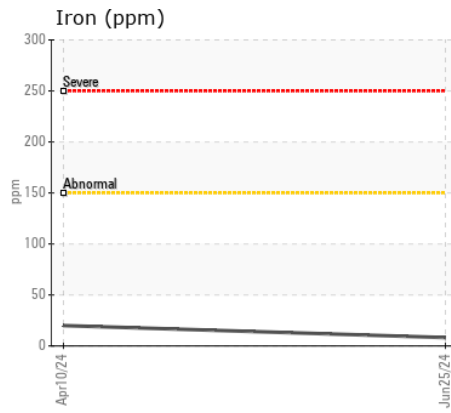
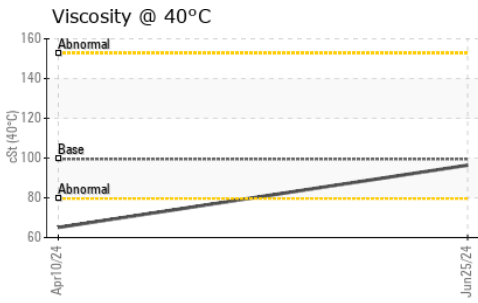
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	9	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>HAZY</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	15	---
Boron	ppm	ASTM D5185(m)	150	<b>274</b>	106	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>1</b>	10	---
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	11	---
Calcium	ppm	ASTM D5185(m)	20	<b>285</b>	3648	---
Phosphorus	ppm	ASTM D5185(m)	1200	<b>1133</b>	1139	---
Zinc	ppm	ASTM D5185(m)	25	<b>117</b>	1419	---
Sulfur	ppm	ASTM D5185(m)	22000	<b>18087</b>	2815	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.5	<b>96.4</b>	65.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0284683  
**Lab Number** : 02644666  
**Unique Number** : 5802205  
**Test Package** : MOBCE

**BELLEMARE RECYCLAGE - SABLE DES FORGES INC**  
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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.