



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**LIEBHERR L550 076577-1825**  
Component  
**Front Left Wheel Hub**  
Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0290658	---	---
Sample Date		Client Info		11 Jun 2024	---	---
Machine Age	hrs	Client Info		541	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

### WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>500	313	---	---
Chromium	ppm	ASTM D5185(m)	>8	3	---	---
Nickel	ppm	ASTM D5185(m)	>5	5	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	2	---	---
Lead	ppm	ASTM D5185(m)	>5	2	---	---
Copper	ppm	ASTM D5185(m)	>50	86	---	---
Tin	ppm	ASTM D5185(m)		7	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

### CONTAMINATION

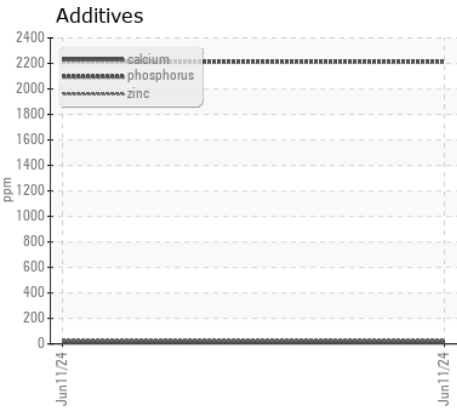
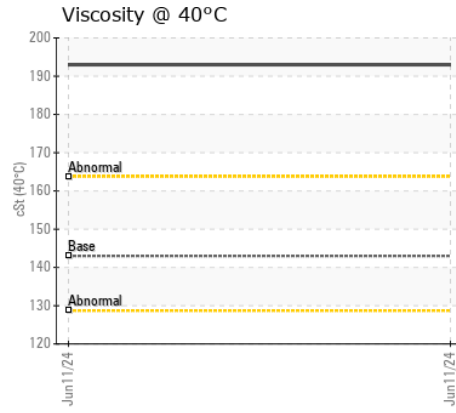
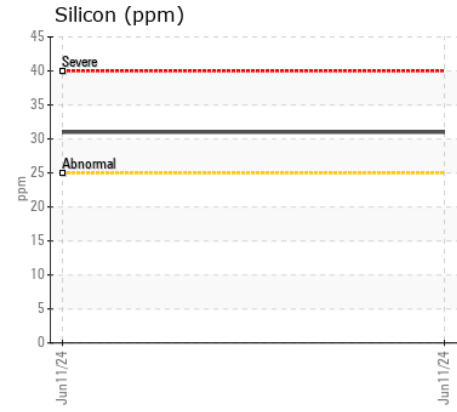
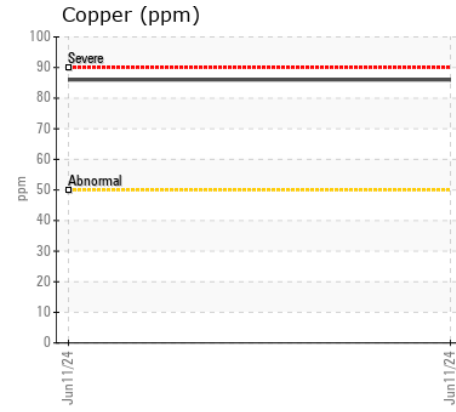
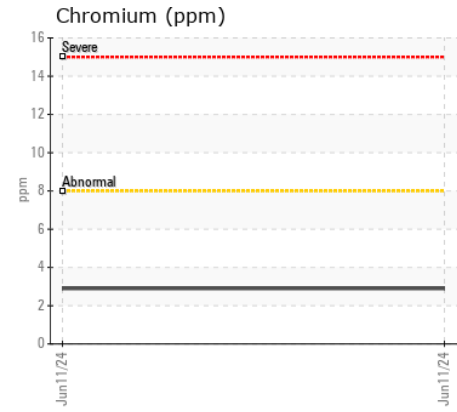
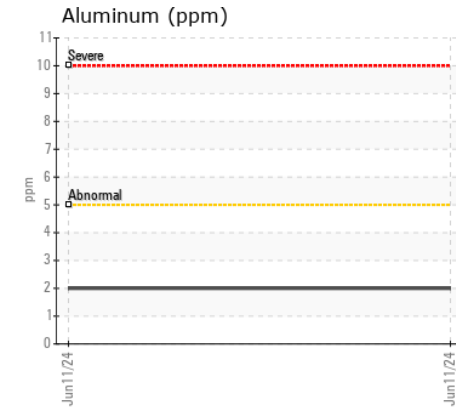
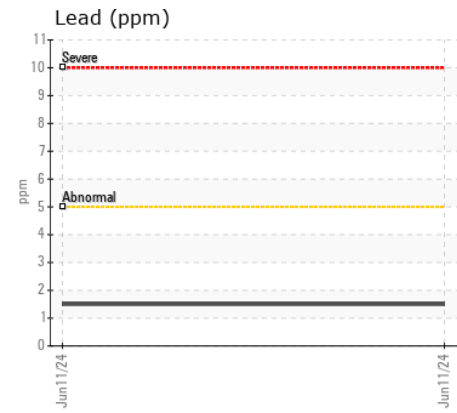
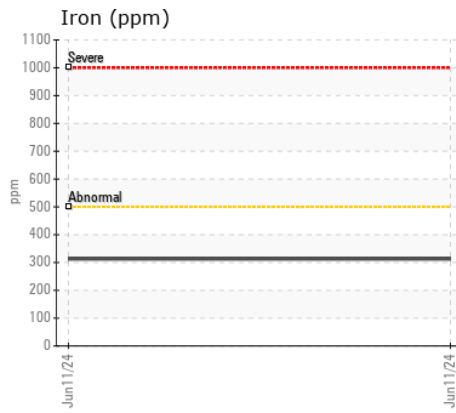
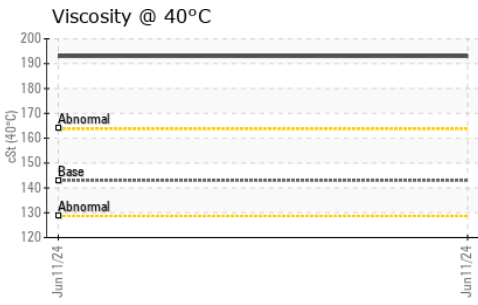
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	31	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>170	7	---	---
Boron	ppm	ASTM D5185(m)	400	3	---	---
Barium	ppm	ASTM D5185(m)	200	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	12	0	---	---
Manganese	ppm	ASTM D5185(m)		22	---	---
Magnesium	ppm	ASTM D5185(m)	12	5	---	---
Calcium	ppm	ASTM D5185(m)	150	14	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	2213	---	---
Zinc	ppm	ASTM D5185(m)	125	27	---	---
Sulfur	ppm	ASTM D5185(m)	22500	24997	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	193	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0290658 **Received** : 14 Jun 2024  
**Lab Number** : 02642079 **Tested** : 14 Jun 2024  
**Unique Number** : 5799618 **Diagnosed** : 17 Jun 2024 - Kevin Marson  
**Test Package** : MOB 1

**142975 CANADA LTEE (MIRONOR)**  
 751 CH DE LA 2E CONCESSION  
 BROWNSBURG-CHATHAM, QC  
 CA J8G 1S9  
 Contact: Francis Sylvestre

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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