



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**LIEBHERR LH30M 090077**  
Component  
**Rear Right Wheel Hub**  
Fluid  
**GEAR OIL 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>LH0276284</b>	LH	---
Sample Date		Client Info		<b>16 Apr 2024</b>	05 Jan 2022	---
Machine Age	hrs	Client Info		<b>6756</b>	5072	---
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>	Changed	---
Filter Changed		Client Info		<b>None</b>	None	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>450	<b>4</b>	5	---
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185(m)		<b>0</b>	<1	---
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

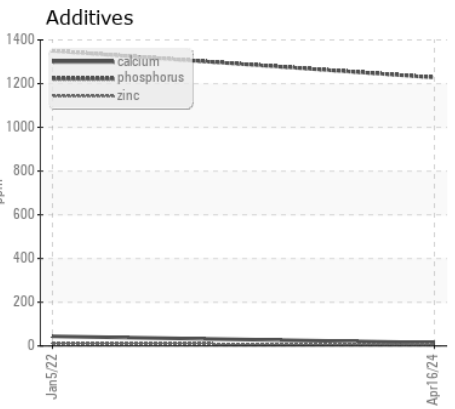
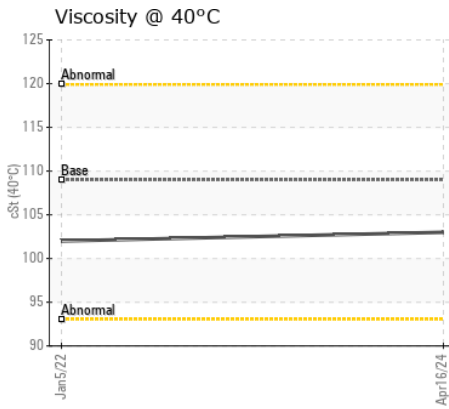
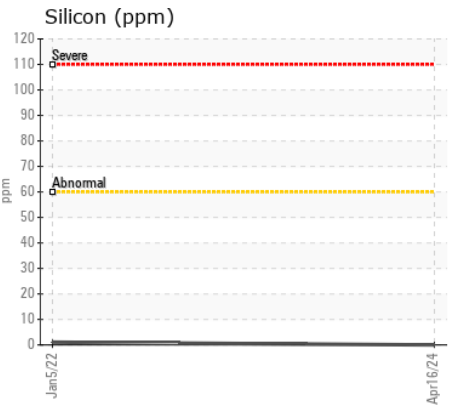
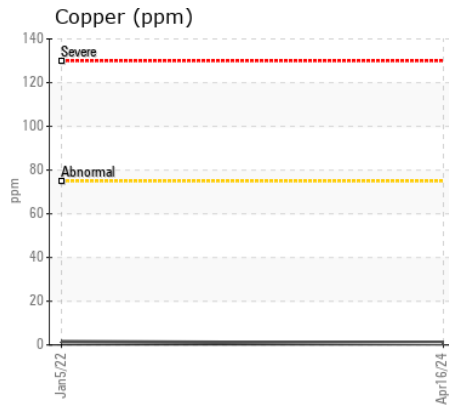
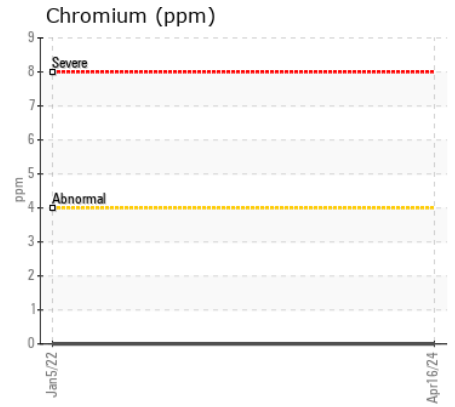
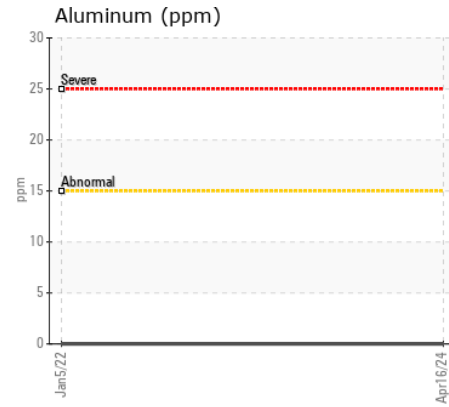
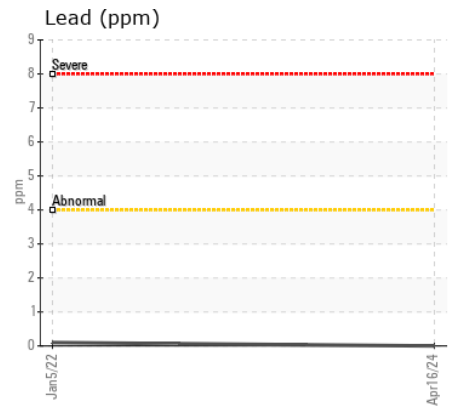
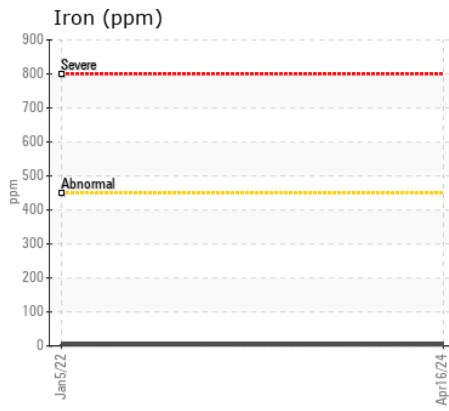
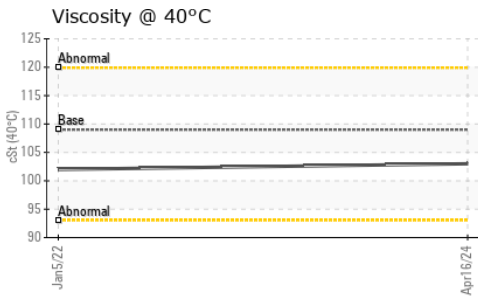
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	<b>0</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</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>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</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	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	---
Boron	ppm	ASTM D5185(m)	400	<b>320</b>	322	---
Barium	ppm	ASTM D5185(m)	200	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	12	<b>1</b>	2	---
Calcium	ppm	ASTM D5185(m)	150	<b>15</b>	44	---
Phosphorus	ppm	ASTM D5185(m)	1650	<b>1228</b>	1350	---
Zinc	ppm	ASTM D5185(m)	125	<b>8</b>	10	---
Sulfur	ppm	ASTM D5185(m)	22500	<b>20831</b>	21980	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>103</b>	102	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**Sample No.** : LH0276284

**Lab Number** : 02629790

**Unique Number** : 5762922

**Test Package** : MOB 1

**Received** : 17 Apr 2024

**Tested** : 18 Apr 2024

**Diagnosed** : 18 Apr 2024 - Wes Davis

**ELG Canada**

4375 CORPORATE DRIVE

BURLINGTON, ON

CA L7L 5P7

Contact: Service Manager

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.

T:

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