



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR L566 071183-1758**  
Component  
**Splitter Box**  
Fluid  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0251934</b>	LH0260618	---
Sample Date		Client Info		<b>29 Dec 2023</b>	19 May 2023	---
Machine Age	hrs	Client Info		<b>3102</b>	1190	---
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>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>13</b>	120	---
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>1</b>	6	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>20	<b>1</b>	1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

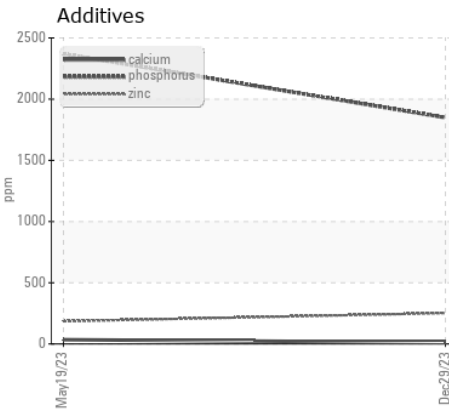
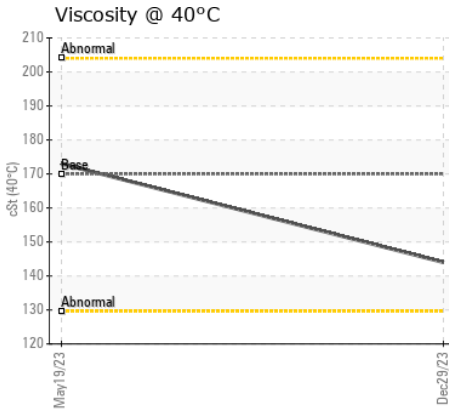
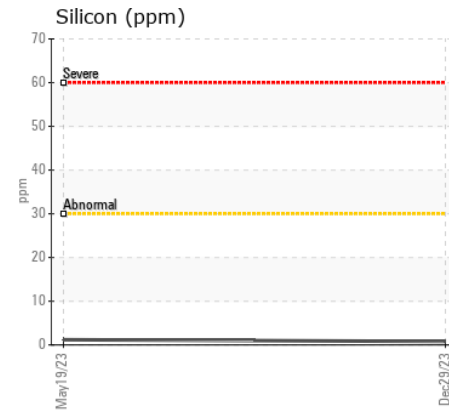
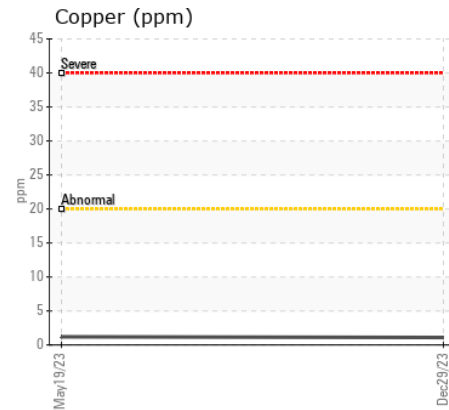
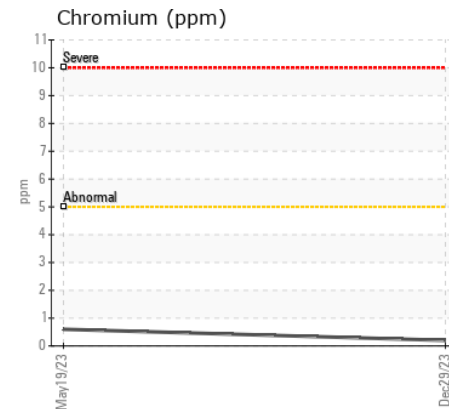
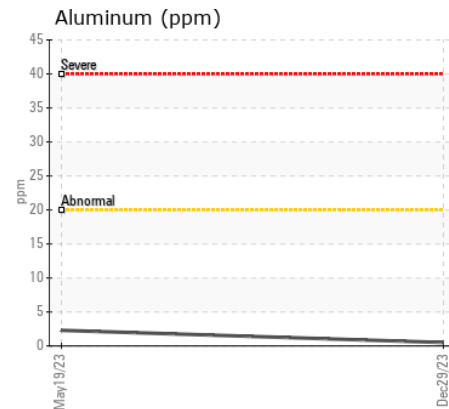
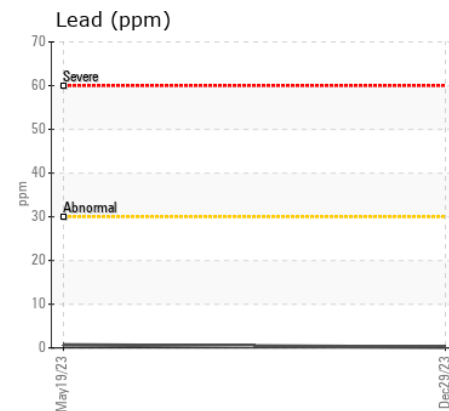
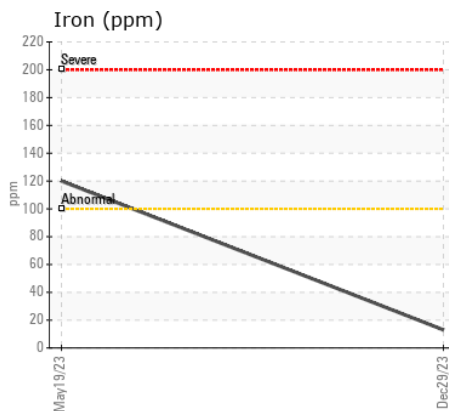
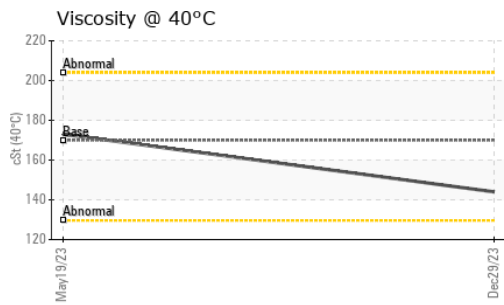
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	4	---
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	5	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	12	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	10	---
Magnesium	ppm	ASTM D5185(m)	<1	<b>2</b>	12	---
Calcium	ppm	ASTM D5185(m)	<1	<b>12</b>	35	---
Phosphorus	ppm	ASTM D5185(m)	2143	<b>1849</b>	2370	---
Zinc	ppm	ASTM D5185(m)	<1	<b>252</b>	185	---
Sulfur	ppm	ASTM D5185(m)	23468	<b>27708</b>	25623	---
Visc @ 40°C	cSt	ASTM D7279(m)	170	<b>144</b>	173	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0251934 **Received** : 08 Jan 2024  
**Lab Number** : 02607253 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 5708339 **Diagnostician** : Kevin Marson  
**Test Package** : MOBCE ( Additional Tests: Visual )

**Abbycel Substrate Ltd.**  
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 Abbotsford, BC  
 CA V4X 1M6  
 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.

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