



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR L550 1756-59860**  
Component  
**Pump Drive**  
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>LH0267594</b>	LH0257964	---
Sample Date		Client Info		<b>06 Dec 2023</b>	13 Jul 2023	---
Machine Age	hrs	Client Info		<b>9838</b>	8893	---
Oil Age	hrs	Client Info		<b>1000</b>	1000	---
Filter Age	hrs	Client Info		<b>0</b>	1000	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>31</b>	15	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m		<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>35	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

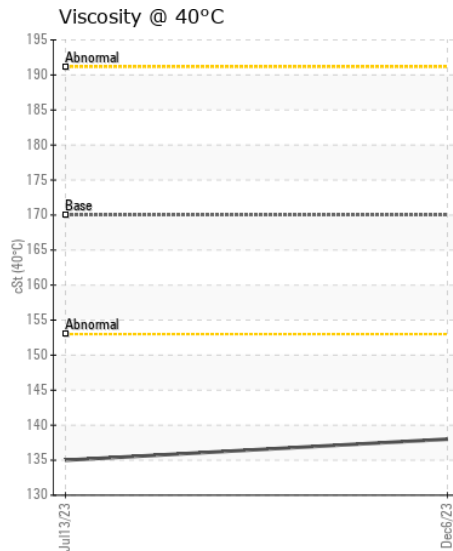
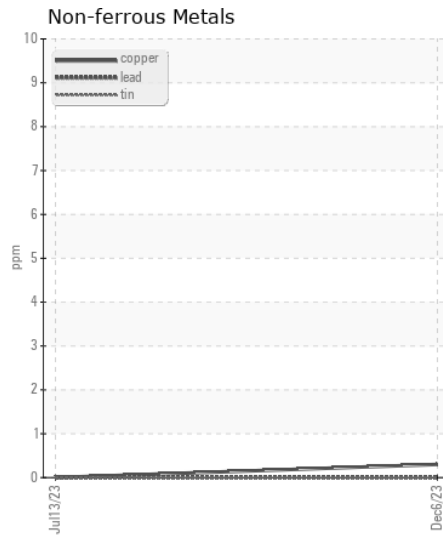
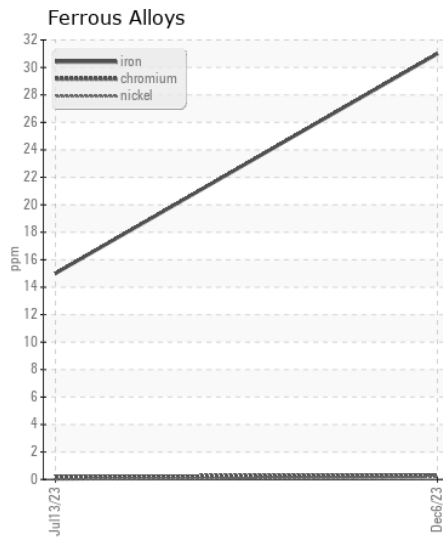
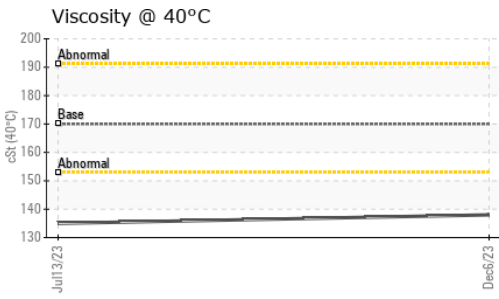
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>19</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Boron	ppm	ASTM D5185m	0	<b>33</b>	21	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	<1	<b>3</b>	5	---
Calcium	ppm	ASTM D5185m	<1	<b>46</b>	37	---
Phosphorus	ppm	ASTM D5185m	2143	<b>704</b>	631	---
Zinc	ppm	ASTM D5185m	<1	<b>10</b>	15	---
Sulfur	ppm	ASTM D5185m	23468	<b>19247</b>	19459	---
Visc @ 40°C	cSt	ASTM D445	170	<b>138</b>	135	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LH0267594 **Received** : 17 Jan 2024  
**Lab Number** : **06063929** **Diagnosed** : 20 Jan 2024  
**Unique Number** : 10835311 **Diagnostician** : Don Baldridge  
**Test Package** : CONST

**HOMWOOD DISPOSAL**  
 1501 175TH ST  
 HOMWOOD, IL  
 US 60430  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: