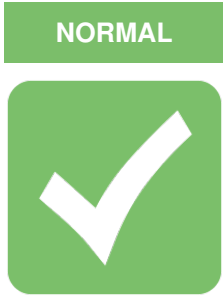
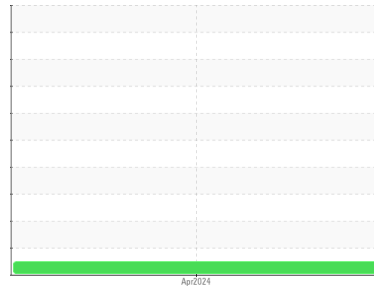


# OIL ANALYSIS REPORT



Machine Id  
**LIEBHERR LH50M 147036**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### Sample Rating Trend



## DIAGNOSIS

- Recommendation**  
Resample at the next service interval to monitor.
- Wear**  
All component wear rates are normal.
- Contamination**  
There is no indication of any contamination in the oil.
- Fluid Condition**  
The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0100574</b>	---	---
Sample Date	Client Info		<b>19 Apr 2024</b>	---	---
Machine Age	hrs Client Info		<b>1080</b>	---	---
Oil Age	hrs Client Info		<b>1080</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>350	<b>33</b>	---	---
Chromium	ppm ASTM D5185m	>5	<b>0</b>	---	---
Nickel	ppm ASTM D5185m	>5	<b>0</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>10	<b>1</b>	---	---
Lead	ppm ASTM D5185m	>10	<b>0</b>	---	---
Copper	ppm ASTM D5185m	>125	<b>36</b>	---	---
Tin	ppm ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	400	<b>18</b>	---	---
Barium	ppm ASTM D5185m	200	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185m	12	<b>4</b>	---	---
Manganese	ppm ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm ASTM D5185m	12	<b>0</b>	---	---
Calcium	ppm ASTM D5185m	150	<b>190</b>	---	---
Phosphorus	ppm ASTM D5185m	1650	<b>1507</b>	---	---
Zinc	ppm ASTM D5185m	125	<b>48</b>	---	---
Sulfur	ppm ASTM D5185m	22500	<b>23423</b>	---	---

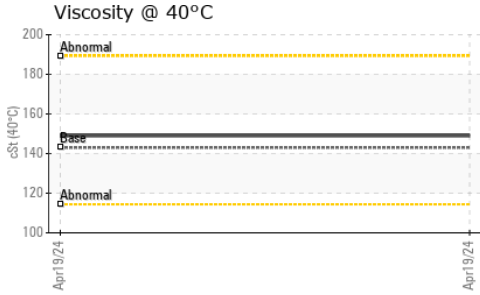
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>45	<b>11</b>	---	---
Sodium	ppm ASTM D5185m	>170	<b>3</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>2</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual	NONE	<b>NONE</b>	---	---
Silt	scalar *Visual	NONE	<b>NONE</b>	---	---
Debris	scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar *Visual	NORML	<b>NORML</b>	---	---
Odor	scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar *Visual	>0.2	<b>NEG</b>	---	---
Free Water	scalar *Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT



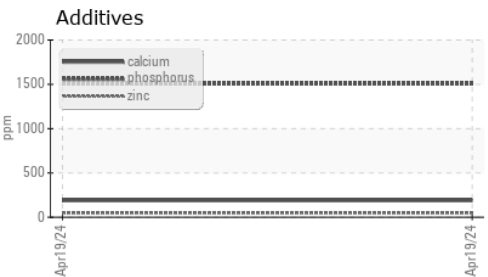
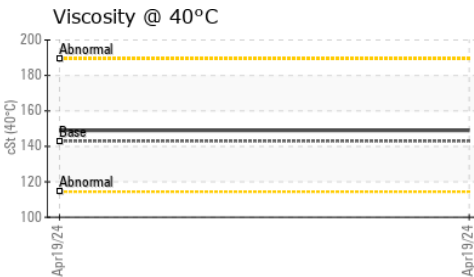
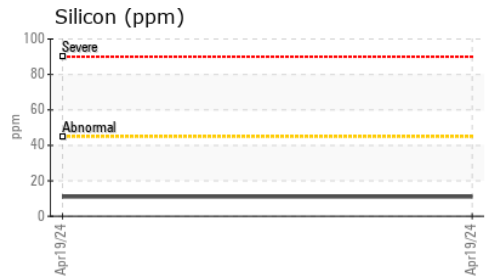
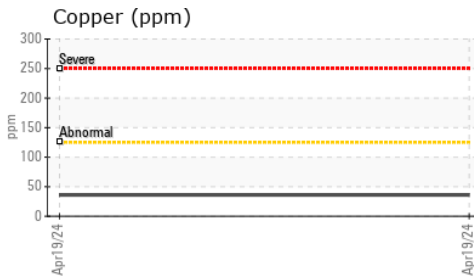
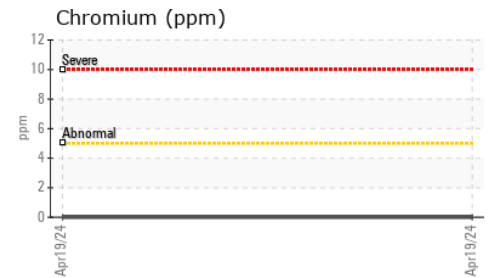
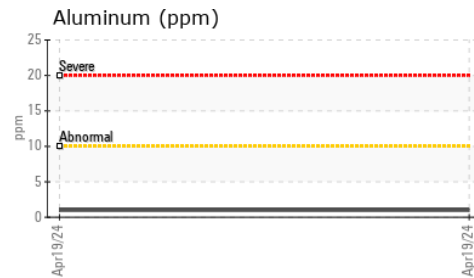
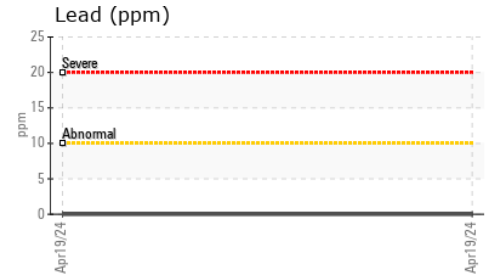
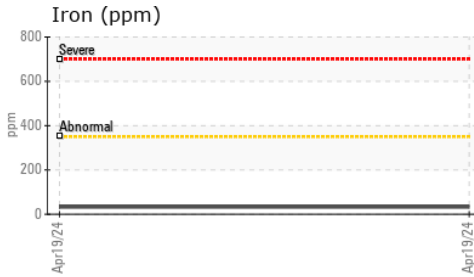
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	143	<b>149</b>	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100574  
**Lab Number** : **06174316**  
**Unique Number** : 11020369  
**Test Package** : MOB 1

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 10 May 2024 - Wes Davis

**EQUIPMENT MANAGEMENT SERVICES**  
 11042 WICKER AVE  
 CEDAR LAKE, IN  
 US 46303  
 Contact: TIM  
 tim@equipmentmanagement.com  
 T: (219)670-7876  
 F:

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)