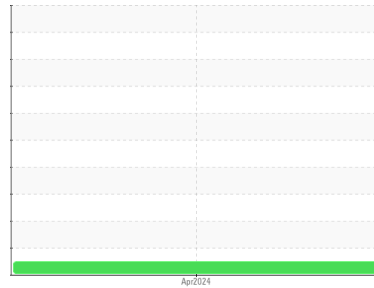


# OIL ANALYSIS REPORT



Machine Id  
**LIEBHERR LH50M 147036**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

### Sample Rating Trend



NORMAL

✓

## 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>PCA0117925</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>Not Chngd</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >60	<b>10</b>	---	---
Chromium	ppm ASTM D5185m >40	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >5	<b>2</b>	---	---
Lead	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m >15	<b>4</b>	---	---
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 5	<b>0</b>	---	---
Barium	ppm ASTM D5185m 5	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m 5	<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m 25	<b>5</b>	---	---
Calcium	ppm ASTM D5185m 200	<b>764</b>	---	---
Phosphorus	ppm ASTM D5185m 300	<b>542</b>	---	---
Zinc	ppm ASTM D5185m 370	<b>591</b>	---	---
Sulfur	ppm ASTM D5185m 2500	<b>2912</b>	---	---

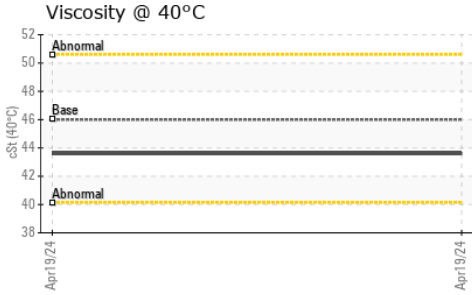
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>4</b>	---	---
Sodium	ppm ASTM D5185m	<b>0</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>LIGHT</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 >0.1	<b>NEG</b>	---	---
Free Water	scalar *Visual	<b>NEG</b>	---	---

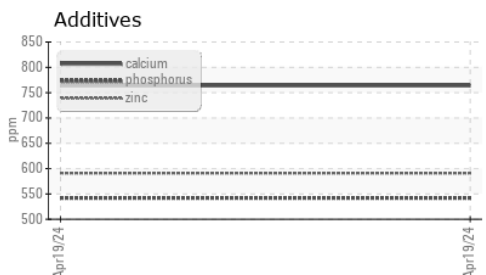
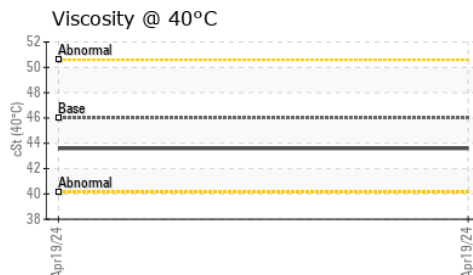
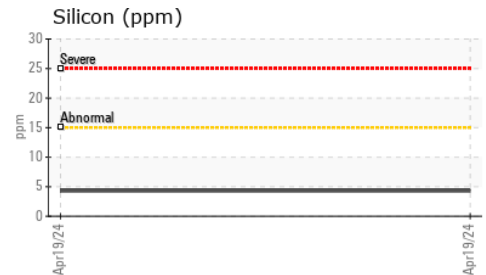
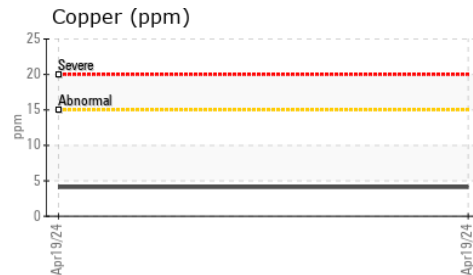
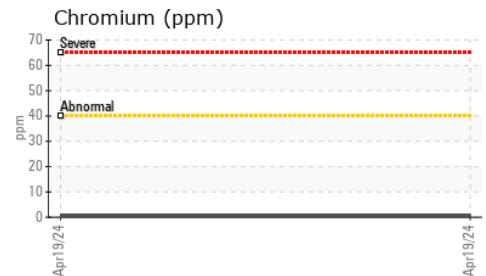
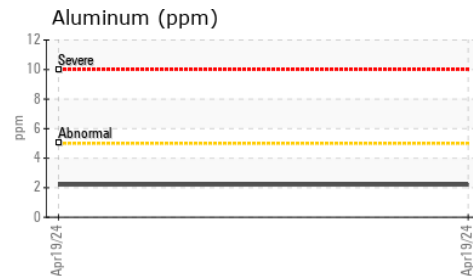
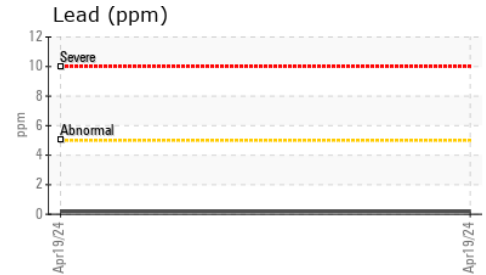
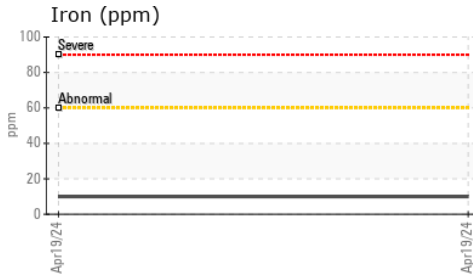
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46	<b>43.6</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.** : PCA0117925      **Received** : 09 May 2024  
**Lab Number** : 06174525      **Tested** : 10 May 2024  
**Unique Number** : 11020578      **Diagnosed** : 13 May 2024 - Don Baldrige  
**Test Package** : MOB 1

**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)