

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 110890-1184 - Swing Drive

Sample No: LHMC130924

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LHMC130924	---	---	---
Sample Date	16 Sep 2023	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

#### UNITED SCRAP

1545 S CICERO AVE  
CHICAGO, IL  
US 60804  
Contact:



#### OIL CONDITION

Visc @ 40°C	cSt	● 157	---	---	---
-------------	-----	-------	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	● 0.427	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● <1	---	---	---

#### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 277	---	---	---
Copper	ppm	● 15	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	10	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	53	---	---	---
Phosphorus	ppm	652	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	4	---	---	---

Depot: UNICHILH  
Unique No: 10672334  
Signed: Don Baldrige  
Report Date: 03 Oct 2023



### GRAPHS

