

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-131051 - Rear Right Wheel Hub

Sample No: LH0213100

Oil Type: MOBIL MOBILUBE SHC 75W140



#### SAMPLE INFORMATION

Sample Number	LH0213100	LH0213114	LH0213016	---
Sample Date	30 Aug 2023	24 Jan 2023	03 Dec 2021	---
Machine Hours	9736	7995	1664	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

#### BOISE WHITE PAPER

3RD AVE AND HWY 11, 400 2ND ST  
INTERNATIONAL FALLS, MN  
US 56649  
Contact: GARY MANN  
garymann@packagingcorp.com  
T:  
F: (218)285-5860



#### OIL CONDITION

Visc @ 40°C	cSt	176	157	158	---
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#### CONTAMINATION

Silicon	ppm	13	17	21	---
Sodium	ppm	3	2	0	---
Potassium	ppm	1	0	1	---



#### WEAR METALS

Iron	ppm	129	147	83	---
Copper	ppm	12	100	61	---
Lead	ppm	0	3	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	0	4	5	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	4	3	---
Vanadium	ppm	<1	0	0	---



#### ADDITIVES

Calcium	ppm	11	98	210	---
Magnesium	ppm	0	2	2	---
Zinc	ppm	4	60	70	---
Phosphorus	ppm	527	1555	1658	---
Barium	ppm	0	2	3	---
Boron	ppm	14	56	9	---

#### Diagnosis

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

Depot: BOIINT  
Unique No: 10633775  
Signed: Sean Felton  
Report Date: 08 Sep 2023



### GRAPHS

