

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 115841-1253 - Rear Left Wheel Hub

Sample No: LH06063159

Oil Type: GEAR OIL SAE 80W90



**SPARTAN RECYCLING**  
 3071 HOWARD ST  
 SPARTANBURG, SC  
 US 29303  
 Contact: SERVICE MANAGER



#### SAMPLE INFORMATION

Sample Number	<b>LH06063159</b>	LH0235740	LH0230038	---
Sample Date	<b>11 Jan 2024</b>	28 Sep 2023	10 May 2022	---
Machine Hours	<b>11390</b>	10707	6891	---
Oil Hours	<b>0</b>	0	1000	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 137	● 131	● 94.9	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	● 2	● 3	● 3	---
Sodium	ppm	● 0	● <1	● 0	---
Potassium	ppm	● 2	● 4	● 2	---

#### 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.



#### WEAR METALS

Iron	ppm	● 14	● 13	● 11	---
Copper	ppm	● <1	● <1	● <1	---
Lead	ppm	● 0	● 0	● <1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	● 2	● <1	● <1	---
Chromium	ppm	● <1	● 0	● 0	---
Molybdenum	ppm	● <1	● 1	● 1	---
Nickel	ppm	● 0	● 0	● <1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	● 0	● <1	● <1	---
Vanadium	ppm	0	<1	0	---



#### ADDITIVES

Calcium	ppm	● 97	● 224	● 63	---
Magnesium	ppm	● 7	● 20	● 6	---
Zinc	ppm	● 3	● 78	● 23	---
Phosphorus	ppm	● 398	● 478	● 330	---
Barium	ppm	● 3	● 0	● 0	---
Boron	ppm	<1	0	● 6	---

Depot: SPASPALH  
 Unique No: 10834541  
 Signed: Wes Davis  
 Report Date: 18 Jan 2024



### GRAPHS

