

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH06063158

Oil Type: GEAR OIL SAE 80W90



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



#### SAMPLE INFORMATION

Sample Number	<b>LH06063158</b>	LH0235738	LH0207559	LHMC133990
Sample Date	<b>11 Jan 2024</b>	28 Sep 2023	22 Mar 2023	02 Sep 2022
Machine Hours	<b>11390</b>	10707	9140	7815
Oil Hours	<b>0</b>	0	2000	500
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	131	102	106
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	10	10	9
Sodium	ppm	<b>2</b>	3	2	3
Potassium	ppm	<b>2</b>	4	3	1

#### 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	<b>67</b>	87	22	21
Copper	ppm	<b>1</b>	3	<1	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	3	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	1	1	1
Nickel	ppm	<b>0</b>	0	0	2
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	1	1	<1
Vanadium	ppm	<b>0</b>	<1	0	<1



#### ADDITIVES

Calcium	ppm	<b>148</b>	337	72	42
Magnesium	ppm	<b>11</b>	26	8	4
Zinc	ppm	<b>20</b>	107	24	14
Phosphorus	ppm	<b>442</b>	549	301	243
Barium	ppm	<b>3</b>	0	0	0
Boron	ppm	<b>0</b>	0	1	3

**Depot:** SPASPALH  
**Unique No:** 10834540  
**Signed:** Wes Davis  
**Report Date:** 18 Jan 2024



### GRAPHS

