

## LIEBHERR LH30 101514-1253 - Front Left Wheel Hub

Sample No: LH0272802

Visc @ 40°C

Oil Type: GEAR OIL SAE 80W90

cSt

0 131

## **SAMPLE INFORMATION**

Sample Number	LH0272802	LH0235747	LH0217621	LH0166348
Sample Date	10 Jan 2024	03 Oct 2023	22 Mar 2023	14 Jul 2022
Machine Hours	12010	11543	10552	7420
Oil Hours	0	0	2000	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL
<b>OIL CONDITION</b>				

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	04	○ 5	9	0 10	
Sodium	ppm	0	○ <1	2	6	
Potassium	maa	01	02	0 2	03	

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WEA	R METALS				
Iron	ppm	243	182	<b>5</b> 67	329
Copper	ppm	02	04	07	04
Lead	ppm	0	0	0	○ <1
Tin	ppm	0	0	0	<1
Aluminum	ppm	02	01	01	○ <1
Chromium	ppm	<b>○</b> <1	○ <1	02	01
Molybdenum	ppm	<b>○</b> <1	01	2	<1
Nickel	ppm	0	0	0	○ <1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	01	02	5	3
Vanadium	ppm	0	<1	0	<1

0 **ADDITIVES** Calcium 61 ppm 08 ( 108 27 Magnesium 05 0 10 13 4 ppm 0 59 69 Zinc 0 17 ppm 289 276 370 Phosphorus ppm 0 326 Barium 03 0 ppm Boron ppm 0  $\bigcirc 0$ 





### SPARTAN RECYCLING 3071 HOWARD ST

SPARTANBURG, SC US 29303 Contact: SERVICE MANAGER

T: F:

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#### Diagnosis

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 no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:	SPASPALH
Unique No:	10834563
Signed:	Don Baldridge
Report Date:	19 Jan 2024





# **GRAPHS**

