

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 141098-1217 - Front Left Wheel Hub

Sample No: LH0284991

Oil Type: GEAR OIL SAE 80W90



**JOHN ZUBICK LTD.**  
 105 CLARKE ROAD  
 LONDON, ON  
 CA N5W 5C9  
 Contact: John French  
 honeil@zubicks.com  
 T: (519)451-5470  
 F: (519)451-4245



#### SAMPLE INFORMATION

Sample Number	LH0284991	LH0251564	LH0234954	---
Sample Date	22 Feb 2024	24 Feb 2023	14 Nov 2022	---
Machine Hours	2811	934	467	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	133	131	195	---
-------------	-----	-----	-----	-----	-----



#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	138	46	95	---
Copper	ppm	17	7	11	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	2	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	2	3	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	58	13	15	---
Magnesium	ppm	46	2	1	---
Zinc	ppm	92	26	35	---
Phosphorus	ppm	1172	1266	1196	---
Barium	ppm	160	141	310	---
Boron	ppm	133	170	3	---

#### 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: JOHLON  
 Unique No: 5734816  
 Signed: Wes Davis  
 Report Date: 23 Feb 2024



### GRAPHS

