

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 145111-1217 - Front Right Wheel Hub

Sample No: LH0247462

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0247462	LH0261409	---	---
Sample Date	20 Jun 2023	27 Apr 2023	---	---
Machine Hours	1188	558	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 121	● 159	---	---
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#### CONTAMINATION

Silicon	ppm	● 2	● 6	---	---
Sodium	ppm	● 2	● 5	---	---
Potassium	ppm	● <1	● <1	---	---



#### WEAR METALS

Iron	ppm	● 38	● 78	---	---
Copper	ppm	● 8	● 12	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	● 0	● <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	3	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 15	18	---	---
Magnesium	ppm	● 2	2	---	---
Zinc	ppm	● 23	47	---	---
Phosphorus	ppm	● 1403	1598	---	---
Barium	ppm	● 51	147	---	---
Boron	ppm	● 218	81	---	---

#### RAM IRON AND METAL

60 Ashwarren Road  
TORONTO, ON  
CA M3J 1Z5  
Contact: PETER RACCO  
PETER@RAMIRON.COM  
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#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: RAMTOR  
Unique No: 5605927  
Signed: Wes Davis  
Report Date: 10 Jul 2023



### GRAPHS

