

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 145111-1217 - Rear Differential

Sample No: LH0247466

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0247466	LH0261411	LH0261408	---
Sample Date	20 Jun 2023	27 Apr 2023	27 Apr 2023	---
Machine Hours	1188	558	558	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	114	176	169	---
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#### CONTAMINATION

Silicon	ppm	4	2	4	---
Sodium	ppm	1	4	3	---
Potassium	ppm	1	<1	<1	---



#### WEAR METALS

Iron	ppm	12	21	4	---
Copper	ppm	17	6	6	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	6	8	8	---
Magnesium	ppm	1	1	<1	---
Zinc	ppm	17	10	8	---
Phosphorus	ppm	1336	1376	1442	---
Barium	ppm	46	284	242	---
Boron	ppm	268	32	50	---

#### RAM IRON AND METAL

60 Ashwarren Road  
 TORONTO, ON  
 CA M3J 1Z5  
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 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: 5605924  
 Signed: Wes Davis  
 Report Date: 10 Jul 2023



### GRAPHS

