

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(343446)] LIEBHERR LH60M 124381-1217 - Rear Differential

Sample No: LH0296545

Oil Type: GEAR OIL SAE 75W90



#### Sample Information

Sample Number	LH0296545	LH0289698	LH0247153	LH0256685
Sample Date	07 Jul 2024	16 Apr 2024	26 Jun 2023	02 Apr 2023
Machine Hours	14056	13245	10141	9107
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### RAM IRON AND METAL

60 Ashwarren Road  
 TORONTO, ON  
 CA M3J 1Z5  
 Contact: PETER RACCO  
 PETER@RAMIRON.COM  
 T: (416)630-4545  
 F: (416)630-5258



#### Oil Condition

Visc @ 40°C	cSt	106	106	106	101
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	2	2
Sodium	ppm	<1	6	<1	<1
Potassium	ppm	<1	<1	<1	<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	3	3	4	6
Copper	ppm	4	2	5	6
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	12	12	5	8
Magnesium	ppm	1	1	1	2
Zinc	ppm	11	12	11	14
Phosphorus	ppm	1237	1223	1280	1321
Barium	ppm	0	0	0	0
Boron	ppm	312	312	299	317

Depot: RAMTOR  
 Unique No: 5812029  
 Signed: Wes Davis  
 Report Date: 09 Jul 2024



### Graphs

