

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Front Right Wheel Hub

Sample No: LH0285005

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0285005	LH0247462	LH0261409	---
Sample Date	12 Feb 2024	20 Jun 2023	27 Apr 2023	---
Machine Hours	2972	1188	558	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	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	91.0	121	159	---
-------------	-----	------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	2	6	---
Sodium	ppm	<1	2	5	---
Potassium	ppm	<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	2	38	78	---
Copper	ppm	5	8	12	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3	15	18	---
Magnesium	ppm	<1	2	2	---
Zinc	ppm	7	23	47	---
Phosphorus	ppm	708	1403	1598	---
Barium	ppm	<1	51	147	---
Boron	ppm	5	218	81	---

Depot: RAMTOR
 Unique No: 5724543
 Signed: Wes Davis
 Report Date: 14 Feb 2024



GRAPHS

