

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Front Differential

Sample No: LH0266079

Oil Type: GEAR OIL SAE 90



SAMPLE INFORMATION

Sample Number	LH0266079	LH0261412	LH0261403	---
Sample Date	20 Jun 2023	27 Apr 2023	27 Apr 2023	---
Machine Hours	1188	558	558	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
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	109	168	168	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	4	4	4	---
Sodium	ppm	<1	3	3	---
Potassium	ppm	<1	<1	0	---



WEAR METALS

Iron	ppm	3	4	4	---
Copper	ppm	19	7	6	---
Lead	ppm	<1	<1	<1	---
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	<1	3	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	5	8	8	---
Magnesium	ppm	1	<1	<1	---
Zinc	ppm	17	8	8	---
Phosphorus	ppm	1381	1425	1449	---
Barium	ppm	14	239	240	---
Boron	ppm	299	50	51	---

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 90. 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: 5605928
Signed: Wes Davis
Report Date: 10 Jul 2023



GRAPHS

