

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR RAD T100 159-0000008 - Final Drive

Sample No: LHMC129549

Oil Type: GEAR OIL ISO 320



#### SAMPLE INFORMATION

Sample Number	LHMC129549	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	7599	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR MINING EQUIPMENT CO**  
 5800 S DOUGLAS HWY  
 GILLETTE, WY  
 US 82718  
 Contact: DUSTIN HARDEN  
 DUSTIN.HARDEN@LIEBHERR.COM  
 T: (307)660-8763  
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#### OIL CONDITION

Visc @ 40°C	cSt	● 286	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 3	---	---	---



#### WEAR METALS

Iron	ppm	● 128	---	---	---
Copper	ppm	● 10	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 136	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 8	---	---	---
Phosphorus	ppm	● 371	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 46	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:** LIEGIL  
**Unique No:** 10713948  
**Signed:** Sean Felton  
**Report Date:** 30 Oct 2023



### GRAPHS

