

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR RAD 1100 0000214-159 - Final Drive

Sample No: LHMC129568

Oil Type: GEAR OIL ISO 320



Sample Information

Sample Number	LHMC129568	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	3114	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR MINING EQUIPMENT CO
 5800 S DOUGLAS HWY
 GILLETTE, WY
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 T: (307)660-8763
 F:



Oil Condition

Visc @ 40°C	cSt	● 285	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 12	---	---	---
Potassium	ppm	● 47	---	---	---

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	● 256	---	---	---
Copper	ppm	● 11	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	● 121	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 10	---	---	---
Phosphorus	ppm	● 380	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 39	---	---	---

Depot: LIEGIL
 Unique No: 11033415
 Signed: Sean Felton
 Report Date: 20 May 2024



Graphs

