

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[GELENA ROAD GRAVEL]] LIEBHERR L556 068648-1827 - Front Diff

Sample No: LHMC133221

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LHMC133221	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

#### FINKBINER EQUIPMENT

3501 N. MAIN ST  
 EAST PEORIA, IL  
 US 61611  
 Contact: ZACH WAKID  
 zwakid@finkbiner.com  
 T: (309)863-4831  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 194	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 31	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● <1	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. 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	● 419	---	---	---
Copper	ppm	● 264	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 13	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	47	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 12	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 65	---	---	---
Phosphorus	ppm	● 2331	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● <1	---	---	---

Depot: FINEASIL  
 Unique No: 10696448  
 Signed: Jonathan Hester  
 Report Date: 17 Oct 2023



### GRAPHS

