

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR716 016316-1422 - Right Final Drive

Sample No: LH0257594

Oil Type: GEAR OIL SAE 85W140



CENTRAL POWER SYSTEMS AND SERVICES - LIBERTY  
1900 PLUMBERS WAY  
LIBERTY, MO  
US  
Contact: BROCK MCNEIL  
brock.mcneil@cpower.com  
T:  
F:



#### SAMPLE INFORMATION

Sample Number	LH0257594	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	1225	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 347	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 2	---	---	---



#### WEAR METALS

Iron	ppm	● 158	---	---	---
Copper	ppm	● 143	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 8	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 45	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 42	---	---	---
Phosphorus	ppm	● 1194	---	---	---
Barium	ppm	● 20	---	---	---
Boron	ppm	● 1	---	---	---

#### Diagnosis

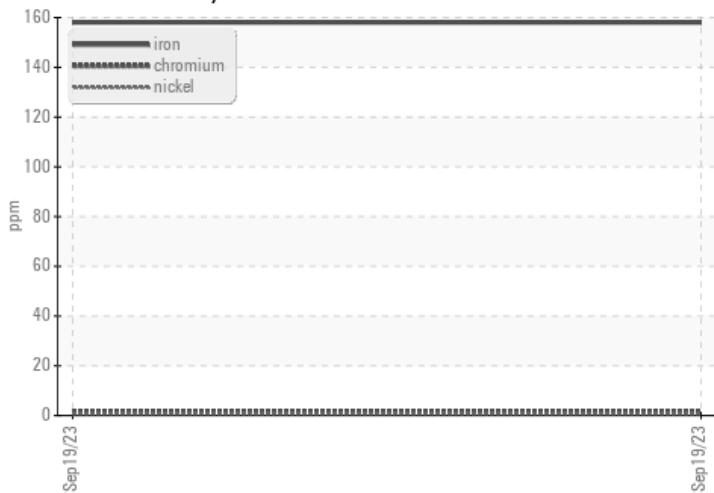
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: CENLIB  
Unique No: 10672317  
Signed: Don Baldrige  
Report Date: 03 Oct 2023



### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

