

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR776 15946 - Left Final Drive

Sample No: LHMC105944

Oil Type: CHEVRON MULTIGEAR EP5 80W90



**LIEBHERR MINING EQUIPMENT CO**  
 5800 S DOUGLAS HWY  
 GILLETTE, WY  
 US 82718  
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 T:  
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#### Sample Information

Sample Number	LHMC105944	LH0220502	LH0220508	---
Sample Date	14 May 2024	14 Oct 2023	10 May 2023	---
Machine Hours	11418	8488	9275	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	226	232	231	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	9	4	2	---
Sodium	ppm	<1	<1	<1	---
Potassium	ppm	1	2	<1	---



#### Wear Metals

Iron	ppm	794	485	324	---
Copper	ppm	2	1	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	8	5	3	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	2	1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	1	0	0	---
Manganese	ppm	6	4	3	---
Vanadium	ppm	<1	0	0	---



#### Additives

Calcium	ppm	11	69	10	---
Magnesium	ppm	2	1	<1	---
Zinc	ppm	12	35	4	---
Phosphorus	ppm	341	401	410	---
Barium	ppm	0	0	0	---
Boron	ppm	49	53	49	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEGIL  
 Unique No: 11049825  
 Signed: Sean Felton  
 Report Date: 30 May 2024



### Graphs

