

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR776 021879-1860 - Splitter Box

Sample No: LH0174051

Oil Type: CHEVRON MULTIGEAR 85W140



#### SAMPLE INFORMATION

Sample Number	LH0174051	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	2436	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**LIEBHERR MINING EQUIPMENT CO**  
 5800 S DOUGLAS HWY  
 GILLETTE, WY  
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 Contact: TED PILZ  
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#### OIL CONDITION

Visc @ 40°C	cSt	● 142	---	---	---
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#### CONTAMINATION

Water	%	● 0.581	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 27	---	---	---
Potassium	ppm	● 14	---	---	---



#### WEAR METALS

Iron	ppm	● 102	---	---	---
Copper	ppm	● 12	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 5	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 40	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 111	---	---	---
Phosphorus	ppm	● 918	---	---	---
Barium	ppm	● 10	---	---	---
Boron	ppm	● 132	---	---	---

#### Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEGIL  
 Unique No: 10710238  
 Signed: Jonathan Hester  
 Report Date: 26 Oct 2023

Contact/Location: TED PILZ - LIEGIL



### GRAPHS

