

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 24459 - Splitter Box

Sample No: LH0220492

Oil Type: LIEBHERR HYPOID 85W-140 EP



#### SAMPLE INFORMATION

Sample Number	<b>LH0220492</b>	LH0220499	LH0220482	---
Sample Date	<b>19 Jun 2023</b>	28 Apr 2023	23 Mar 2023	---
Machine Hours	<b>1526</b>	936	464	---
Oil Hours	<b>589</b>	936	464	---
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**LIEBHERR MINING EQUIPMENT CO**  
 5800 S DOUGLAS HWY  
 GILLETTE, WY  
 US 82718  
 Contact: TED PILZ  
 ted.pilz@liebherr.com  
 T: (775)388-0663  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	<b>339</b>	333	345	---
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#### CONTAMINATION

Silicon	ppm	<b>3</b>	8	6	---
Sodium	ppm	<b>2</b>	2	2	---
Potassium	ppm	<b>4</b>	4	3	---



#### WEAR METALS

Iron	ppm	<b>9</b>	10	11	---
Copper	ppm	<b>&lt;1</b>	2	2	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



#### ADDITIVES

Calcium	ppm	<b>54</b>	47	24	---
Magnesium	ppm	<b>2</b>	4	3	---
Zinc	ppm	<b>27</b>	31	16	---
Phosphorus	ppm	<b>1353</b>	1193	1069	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	<1	2	---

#### 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.

**Depot:** LIEGIL  
**Unique No:** 10559593  
**Signed:** Jonathan Hester  
**Report Date:** 17 Jul 2023



### GRAPHS

