

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 147180 - Splitter Box

Sample No: LH0287059

Oil Type: GEAR OIL SAE 80W90



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Steve Lehto  
 steve.lehto@liebherr.com  
 T: (905)319-9222  
 F: (905)319-6617



#### Sample Information

Sample Number	LH0287059	LH0274835	---	---
Sample Date	16 Apr 2024	04 Oct 2023	---	---
Machine Hours	1460	512	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 196	● 194	---	---
-------------	-----	-------	-------	-----	-----



#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 0	● <1	---	---
Sodium	ppm	● 4	● 4	---	---
Potassium	ppm	● 2	● 2	---	---



#### Wear Metals

Iron	ppm	● 44	● 35	---	---
Copper	ppm	● 2	● 2	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 4	● 4	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	● 9	● 9	---	---
Magnesium	ppm	● 3	● 3	---	---
Zinc	ppm	● 27	● 25	---	---
Phosphorus	ppm	● 1522	● 1526	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	● 2	● 3	---	---

#### 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: LIEMIS  
 Unique No: 5762883  
 Signed: Wes Davis  
 Report Date: 17 Apr 2024



### Graphs

