

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 086895 - Splitter Box

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



**LIEBHERR CANADA LTD.**  
 10374 267 ST.  
 ACHESON, AB  
 CA T7X 6A2  
 Contact: Dustin Fluet  
 dustin.fluet@liebherr.com  
 T: (780)962-6088  
 F: (780)962-6799



#### Sample Information

Sample Number	LH	LH0243014	---	---
Sample Date	22 Mar 2024	19 Jan 2023	---	---
Machine Hours	25110	22640	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	151	159	---	---
-------------	-----	-----	-----	-----	-----



#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	20	65	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	4	5	---	---



#### Wear Metals

Iron	ppm	41	37	---	---
Copper	ppm	1	<1	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	27	7	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	55	5	---	---
Phosphorus	ppm	2065	1735	---	---
Barium	ppm	0	0	---	---
Boron	ppm	6	41	---	---

#### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of dirt present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIESPR  
 Unique No: 5761687  
 Signed: Kevin Marson  
 Report Date: 12 Apr 2024



### Graphs

