

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 065678-1826 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0232591	LH	---
Sample Date	20 Dec 2023	31 Jul 2023	26 Apr 2023	---
Machine Hours	4739	3914	3418	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

**BOIS LIB INC.**  
 275 RUE JEREMIE-PACAUD  
 PRINCEVILLE, QC  
 CA G6L 0A1  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	178	186	94.5	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	2	16	---
Sodium	ppm	1	<1	3	---
Potassium	ppm	<1	0	0	---

#### 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.



#### WEAR METALS

Iron	ppm	91	49	553	---
Copper	ppm	49	35	200	---
Lead	ppm	<1	<1	5	---
Tin	ppm	2	2	13	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	3	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	2	14	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	5	5	36	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	28	17	69	---
Phosphorus	ppm	2363	2360	2719	---
Barium	ppm	0	0	0	---
Boron	ppm	5	21	221	---

Depot: LIBPRI  
 Unique No: 5698180  
 Signed: Wes Davis  
 Report Date: 22 Dec 2023



### GRAPHS

