

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(347674)] LIEBHERR L586 062473-1761- Front Differential

Sample No: LH0198088

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0198088	LH0260438	LH0246858	---
Sample Date	07 May 2024	04 Aug 2023	06 Feb 2023	---
Machine Hours	4019	2963	2313	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

**POSCHNER CONSTRUCTION LTD.**  
 5400 72ND STREET  
 DELTA, BC  
 CA V4K 3N3  
 Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	191	182	192	---
-------------	-----	-----	-----	-----	-----

T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	4	31	---
Sodium	ppm	1	1	11	---
Potassium	ppm	<1	<1	<1	---

#### 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	74	58	477	---
Copper	ppm	69	69	267	---
Lead	ppm	1	2	7	---
Tin	ppm	2	2	17	---
Aluminum	ppm	1	<1	3	---
Chromium	ppm	<1	<1	5	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	7	6	73	---
Vanadium	ppm	0	0	<1	---



#### Additives

Calcium	ppm	5	9	13	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	62	28	146	---
Phosphorus	ppm	2207	2381	2412	---
Barium	ppm	0	0	0	---
Boron	ppm	2	1	3	---

Depot: REGDEL  
 Unique No: 5801354  
 Signed: Wes Davis  
 Report Date: 24 Jun 2024



### Graphs

