

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347674)] LIEBHERR L586 062473-1761- Rear Differential

Sample No: LH0198089

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0198089	LH0260437	LH0246857	---
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	187	181	191	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	3	29	---
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	53	34	626	---
Copper	ppm	45	52	265	---
Lead	ppm	<1	1	7	---
Tin	ppm	2	1	16	---
Aluminum	ppm	1	<1	4	---
Chromium	ppm	<1	<1	6	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	5	69	---
Vanadium	ppm	0	0	<1	---



Additives

Calcium	ppm	5	8	17	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	49	28	152	---
Phosphorus	ppm	2244	2321	2335	---
Barium	ppm	0	0	0	---
Boron	ppm	2	3	4	---

Depot: REGDEL
Unique No: 5801355
Signed: Wes Davis
Report Date: 24 Jun 2024



Graphs

