

LIEBHERR

CONSTRUCTION EQUIPMENT



[MODERN] LIEBHERR L586 74609 - Front Differential

Sample No: LH0284811

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0284811	LH0277032	---	---
Sample Date	02 Mar 2024	21 Oct 2023	---	---
Machine Hours	11699	1117	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

LIEBHERR CANADA

10 LYNDS AVENUE
 MONCTON, NB
 CA E1H 3K2
 Contact: Bryan Wood
 bryan.wood@liebherr.com
 T:
 F: (506)854-2940



OIL CONDITION

Visc @ 40°C	cSt	● 184	● 190	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 9	● 37	---	---
Sodium	ppm	● 3	● 11	---	---
Potassium	ppm	● <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	● 184	● 791	---	---
Copper	ppm	● 87	● 212	---	---
Lead	ppm	● 2	● 6	---	---
Tin	ppm	● 4	● 15	---	---
Aluminum	ppm	● 1	● 3	---	---
Chromium	ppm	● <1	● 5	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 1	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 8	40	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 4	● 10	---	---
Magnesium	ppm	● 1	● 7	---	---
Zinc	ppm	● 36	● 108	---	---
Phosphorus	ppm	● 2305	● 2271	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● 1	● 4	---	---

Depot: LIEMON
 Unique No: 5747934
 Signed: Wes Davis
 Report Date: 19 Mar 2024



GRAPHS

