

LIEBHERR

CONSTRUCTION EQUIPMENT



[MODERN] LIEBHERR L586 74609 - Front Right Wheel Hub

Sample No: LH0277038

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0277038	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	1117	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA

10 LYNDS AVENUE

MONCTON, NB

CA E1H 3K2

Contact: Mike Clark

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OIL CONDITION

Visc @ 40°C	cSt	191	---	---	---
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CONTAMINATION

Silicon	ppm	36	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	747	---	---	---
Copper	ppm	200	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	14	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	5	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	40	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	13	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	107	---	---	---
Phosphorus	ppm	2231	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	4	---	---	---

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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: LIEMON

Unique No: 5669283

Signed: Kevin Marson

Report Date: 27 Oct 2023



GRAPHS

