

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 21066 - Rear Right Wheel Hub

Sample No: LH0186874

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0186874	LH0162861	---	---
Sample Date	06 Jul 2023	09 May 2022	---	---
Machine Hours	18165	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	● 121	● 125	---	---
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CONTAMINATION

Silicon	ppm	● 6	● 7	---	---
Sodium	ppm	● 5	● 5	---	---
Potassium	ppm	● 4	● 6	---	---

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

PQ		---	● 23	---	---
Iron	ppm	● 529	● 708	---	---
Copper	ppm	● 57	● 75	---	---
Lead	ppm	● 2	● 3	---	---
Tin	ppm	● 3	● 5	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● 4	● 5	---	---
Molybdenum	ppm	● <1	● 1	---	---
Nickel	ppm	● 2	● 3	---	---
Titanium	ppm	4	5	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 11	● 15	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 54	● 26	---	---
Magnesium	ppm	● 16	● 20	---	---
Zinc	ppm	● 44	● 45	---	---
Phosphorus	ppm	● 1861	● 2026	---	---
Barium	ppm	● <1	● 0	---	---
Boron	ppm	● 88	● 108	---	---

Depot: CLOPEM
 Unique No: 5607263
 Signed: Wes Davis
 Report Date: 14 Jul 2023



GRAPHS

