

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 032314 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0208251	---	---
Sample Date	10 Nov 2023	16 Jan 2023	---	---
Machine Hours	15486	14000	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
ericbrisebois99@gmail.com

T:
F:



OIL CONDITION

Visc @ 40°C	cSt	● 191	● 175	---	---
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CONTAMINATION

Water	%	● 0.066	---	---	---
Silicon	ppm	● 0	● 5	---	---
Sodium	ppm	● 0	● <1	---	---
Potassium	ppm	● 0	● <1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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	● 144	● 329	---	---
Copper	ppm	● 2	● 4	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● 3	---	---
Molybdenum	ppm	● 11	18	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● <1	● 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 34	28	---	---
Magnesium	ppm	● <1	● <1	---	---
Zinc	ppm	● 17	● 12	---	---
Phosphorus	ppm	● 2288	● 2415	---	---
Barium	ppm	● 2	● 0	---	---
Boron	ppm	● 18	● 53	---	---

Depot: HUBBOI
Unique No: 5681736
Signed: Kevin Marson
Report Date: 17 Nov 2023



GRAPHS

