

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Front Left Wheel Hub

Sample No: LH0241876

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0241876	LH0239957	LH0241864	---
Sample Date	31 Oct 2023	04 Sep 2023	18 Apr 2023	---
Machine Hours	2739	2265	1142	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HUBERT & FILS

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

Contact: Eric Brisebois
ericbrisebois99@gmail.com

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OIL CONDITION

Visc @ 40°C	cSt	182	182	138	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	1	4	---
Sodium	ppm	4	5	10	---
Potassium	ppm	1	0	<1	---



WEAR METALS

Iron	ppm	26	20	23	---
Copper	ppm	1	3	12	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	67	114	722	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	16	36	352	---
Phosphorus	ppm	2277	2262	2142	---
Barium	ppm	0	<1	0	---
Boron	ppm	2	5	20	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: HUBBOI
Unique No: 5710190
Signed: Kevin Marson
Report Date: 19 Jan 2024



GRAPHS

