

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 137424-1253 - Rear Left Wheel Hub

Sample No: LH0228739

Oil Type: LIEBHERR GEAR BASIC 90 LS



CAC ENTERPRISES GROUP INC.
 2411 76th AVE
 EDMONTON, AB
 CA T6P 1P6
 Contact: Melody Cui
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SAMPLE INFORMATION

Sample Number	LH0228739	LH0228727	---	---
Sample Date	21 Jun 2023	25 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	64.2	64.6	---	---
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CONTAMINATION

Silicon	ppm	8	7	---	---
Sodium	ppm	14	14	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	18	14	---	---
Copper	ppm	11	7	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3566	3686	---	---
Magnesium	ppm	12	10	---	---
Zinc	ppm	1430	1404	---	---
Phosphorus	ppm	1201	1217	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	106	103	---	---

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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: CAC241EDM
 Unique No: 5620805
 Signed: Kevin Marson
 Report Date: 14 Aug 2023



GRAPHS

