

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 137424-1253 - Rear Differential

Sample No: LH0228731

Oil Type: LIEBHERR GEAR BASIC 90 LS



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

Sample Number	LH0228731	LH0228719	---	---
Sample Date	21 Jun 2023	25 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	63.9	67.5	---	---
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CONTAMINATION

Silicon	ppm	8	8	---	---
Sodium	ppm	15	14	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	17	15	---	---
Copper	ppm	10	7	---	---
Lead	ppm	0	<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	3	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3593	3621	---	---
Magnesium	ppm	10	10	---	---
Zinc	ppm	1451	1404	---	---
Phosphorus	ppm	1219	1210	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	108	102	---	---

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: CAC241EDM
 Unique No: 5620809
 Signed: Wes Davis
 Report Date: 14 Aug 2023



GRAPHS

