

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 136518-1253 - Rear Differential

Sample No: LH0228851

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	LH0228851	LH0228839	---	---
Sample Date	05 Jun 2023	16 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	159	64.8	---	---
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CONTAMINATION

Silicon	ppm	6	11	---	---
Sodium	ppm	4	13	---	---
Potassium	ppm	<1	1	---	---



WEAR METALS

Iron	ppm	26	18	---	---
Copper	ppm	3	2	---	---
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	2	6	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	494	3709	---	---
Magnesium	ppm	4	11	---	---
Zinc	ppm	198	1428	---	---
Phosphorus	ppm	1985	1209	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	15	102	---	---

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.

Depot: CAC241EDM
 Unique No: 5620798
 Signed: Wes Davis
 Report Date: 14 Aug 2023



GRAPHS

