

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 137424-1253 - Swing Drive

Sample No: LH0228735

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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T:
F:



SAMPLE INFORMATION

Sample Number	LH0228735	LH0228723	---	---
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	179	185	---	---
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CONTAMINATION

Silicon	ppm	1	<1	---	---
Sodium	ppm	5	2	---	---
Potassium	ppm	3	<1	---	---



WEAR METALS

Iron	ppm	169	63	---	---
Copper	ppm	71	21	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	38	34	---	---
Magnesium	ppm	6	17	---	---
Zinc	ppm	52	33	---	---
Phosphorus	ppm	2210	2357	---	---
Barium	ppm	5	1	---	---
Boron	ppm	3	2	---	---

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: 5620795
Signed: Wes Davis
Report Date: 14 Aug 2023



GRAPHS

