

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Swing Drive

Sample No: LH0241874

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0241874	LH0239955	LH0241862	---
Sample Date	31 Oct 2023	04 Sep 2023	06 Jul 2023	---
Machine Hours	2739	2265	1668	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HUBERT & FILS

474 ROUTE 105

BOIS-FRANC, QC

CA J9E 3A9

Contact: Eric Brisebois

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#### OIL CONDITION

Visc @ 40°C	cSt	155	107	168	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	0	<1	<1	---
Sodium	ppm	<1	<1	1	---
Potassium	ppm	2	0	<1	---



#### WEAR METALS

Iron	ppm	21	31	56	---
Copper	ppm	17	36	41	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	1	1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	4	3	7	---
Magnesium	ppm	<1	0	<1	---
Zinc	ppm	5	7	12	---
Phosphorus	ppm	2001	1174	2266	---
Barium	ppm	0	<1	<1	---
Boron	ppm	31	121	19	---

#### 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: HUBBOI

Unique No: 5710196

Signed: Kevin Marson

Report Date: 16 Jan 2024



### GRAPHS

