

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 145273-1253 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

METALEX RECYCLAGE

1646 ROUTE 169
SAINT-FELICIE, QC
CA G8K 3A2
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	65.2	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	14	---	---	---
Potassium	ppm	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.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3508	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	1393	---	---	---
Phosphorus	ppm	1129	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	93	---	---	---

Depot: MET164SAI
Unique No: 5698492
Signed: Wes Davis
Report Date: 28 Dec 2023



GRAPHS

