

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 145273-1253 - Rear Right Wheel Hub

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	ABNORMAL	---	---	---

METALEX RECYCLAGE

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



OIL CONDITION

Visc @ 40°C	cSt	65.0	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	15	---	---	---
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. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3518	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1391	---	---	---
Phosphorus	ppm	1148	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	93	---	---	---

Depot: MET164SAI
Unique No: 5698489
Signed: Kevin Marson
Report Date: 28 Dec 2023



GRAPHS

