

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 143683-1253 - Front Left Wheel Hub

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SCIERIE MARTEL LTEE
 3000 ROUTE DU LAC EST
 ALMA, QC
 CA G8B 5V2
 Contact: Alain Bauchard

T: (418)668-3366
 F: (418)668-2071



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	60.3	---	---	---
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CONTAMINATION

Silicon	ppm	5	---	---	---
Sodium	ppm	22	---	---	---
Potassium	ppm	1	---	---	---



WEAR METALS

Iron	ppm	16	---	---	---
Copper	ppm	42	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3543	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	1409	---	---	---
Phosphorus	ppm	1220	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	98	---	---	---

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 80 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.

Depot: SCIALM
 Unique No: 5642560
 Signed: Kevin Marson
 Report Date: 12 Sep 2023



GRAPHS

