

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 143683-1253 - Rear Differential

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	62.8	---	---	---
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CONTAMINATION

Silicon	ppm	6	---	---	---
Sodium	ppm	17	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3509	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	1392	---	---	---
Phosphorus	ppm	1183	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	99	---	---	---

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: SCIALM
 Unique No: 5642561
 Signed: Wes Davis
 Report Date: 11 Sep 2023



GRAPHS

