

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 113527-1216 - Rear Differential

Sample No: LH0290623

Oil Type: GEAR OIL SAE 80W90



LIEBHERR CANADA LTEE
 444 AVENUE DE LA FRICHE
 DOLBEAU-MISTASSINI, QC
 CA G8L 3M7
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Sample Information

Sample Number	LH0290623	LH	---	---
Sample Date	13 Jun 2024	13 Mar 2023	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 178	● 176	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 0	● 1	---	---
Sodium	ppm	● 2	● 4	---	---
Potassium	ppm	● 0	● 0	---	---



Wear Metals

Iron	ppm	● 12	● 17	---	---
Copper	ppm	● 3	● 6	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 9	13	---	---
Magnesium	ppm	● <1	● <1	---	---
Zinc	ppm	● 6	10	---	---
Phosphorus	ppm	● 2257	2526	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● <1	● 2	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: LBADOL
 Unique No: 5799607
 Signed: Wes Davis
 Report Date: 14 Jun 2024



Graphs

