

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 137429 - Rear Differential

Sample No: LH0274503

Oil Type: GEAR OIL SAE 75W90



CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
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 F:



SAMPLE INFORMATION

Sample Number	LH0274503	---	---	---
Sample Date	20 Aug 2023	---	---	---
Machine Hours	6359	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 103	---	---	---
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CONTAMINATION

Silicon	ppm	● 2	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 8	---	---	---
Copper	ppm	● 16	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 17	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 17	---	---	---
Phosphorus	ppm	● 1341	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 341	---	---	---

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 75W90. 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: COMWES
 Unique No: 5630296
 Signed: Wes Davis
 Report Date: 21 Aug 2023



GRAPHS

