

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 37429 - Rear Left Wheel Hub

Sample No: LH0277643

Oil Type: GEAR OIL SAE 75W90



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



SAMPLE INFORMATION

Sample Number	LH0277643	LH0277641	---	---
Sample Date	12 Oct 2023	12 Oct 2023	---	---
Machine Hours	6950	9950	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	MARGINAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 103	● 101	---	---
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CONTAMINATION

Silicon	ppm	● 2	● 2	---	---
Sodium	ppm	● 2	● 3	---	---
Potassium	ppm	● 2	● 1	---	---



WEAR METALS

Iron	ppm	● 8	● 16	---	---
Copper	ppm	● 13	● 51	---	---
Lead	ppm	● <1	● 1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	3	<1	---	---
Manganese	ppm	● 0	● 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 13	● 37	---	---
Magnesium	ppm	● 1	● 1	---	---
Zinc	ppm	● 14	● 47	---	---
Phosphorus	ppm	● 1225	● 1238	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	● 319	● 308	---	---

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: LIEMIS
 Unique No: 5658086
 Signed: Wes Davis
 Report Date: 13 Oct 2023



GRAPHS

