

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 138422 - Rear Left Wheel Hub

Sample No: LH0278803

Oil Type: GEAR OIL SAE 75W90



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0278803	LH0270225	---	---
Sample Date	21 Jan 2024	12 Oct 2023	---	---
Machine Hours	6157	4805	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 102	● 104	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 23	● 12	---	---
Sodium	ppm	● 1	● 2	---	---
Potassium	ppm	● 1	● <1	---	---



WEAR METALS

Iron	ppm	● 13	● 7	---	---
Copper	ppm	● 8	● 10	---	---
Lead	ppm	● 2	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 2	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 0	● 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 14	● 10	---	---
Magnesium	ppm	● 2	● <1	---	---
Zinc	ppm	● 34	● 14	---	---
Phosphorus	ppm	● 1223	● 1217	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● 300	● 312	---	---

Diagnosis

Resample at the next service interval to monitor. 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: 5711443
 Signed: Wes Davis
 Report Date: 22 Jan 2024



GRAPHS

