

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 156305-1215 - Rear Differential

Sample No: LH0278474

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0278474	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	536	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Urban Mine
72 Rothwell Rd.
Winnipeg, MB
CA R3P 2H7
Contact: SERVICE



OIL CONDITION

Visc @ 40°C	cSt	● 141	---	---	---
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T: (204)774-0192
F:



CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	● 16	---	---	---
Copper	ppm	● 7	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 138	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 20	---	---	---
Phosphorus	ppm	● 1484	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 10	---	---	---

Depot: URBWIN
Unique No: 5734613
Signed: Wes Davis
Report Date: 22 Feb 2024



GRAPHS

