

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 1825-67138 - Rear Differential

Sample No: LH0262931

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0262931	---	---	---
Sample Date	27 Aug 2023	---	---	---
Machine Hours	2391	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

O'NEIL CONSTRUCTION

R.R. #1

BOBCAYGON, ON

CA K0M 1A0

Contact: WM O'NEIL



OIL CONDITION

Visc @ 40°C	cSt	● 177	---	---	---
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T: (705)738-3687

F: (705)738-5531



CONTAMINATION

Silicon	ppm	● 12	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other 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	● 115	---	---	---
Copper	ppm	● 154	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 6	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 11	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 2	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 13	---	---	---
Phosphorus	ppm	● 2372	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	0	---	---	---

Depot: ONEBOB

Unique No: 10701184

Signed: Don Baldrige

Report Date: 21 Oct 2023



GRAPHS

