

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 074234-1758 - Rear Differential

Sample No: LH0155023

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0155023	---	---	---
Sample Date	29 Dec 2023	---	---	---
Machine Hours	1395	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

Groupe Lebel Inc div Nouvelle
 521 Route 132 Ouest
 Nouvelle-Ouest, QC
 CA G0C 2G0
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	195	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	29	---	---	---
Sodium	ppm	10	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 50 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Copper and tin and tin ppm levels are severe. Lead ppm levels are abnormal. Light concentration of visible metal present. Gear wear is indicated. Thrust washer and/or bearing/bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	317	---	---	---
Copper	ppm	171	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	10	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	3	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	50	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	6	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	35	---	---	---
Phosphorus	ppm	2216	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

Depot: GRONOU
Unique No: 5708287
Signed: Kevin Marson
Report Date: 10 Jan 2024



GRAPHS

