

LIEBHERR

CONSTRUCTION EQUIPMENT



[[20230519]] LIEBHERR R934C 037803-1006 - Swing Drive

Sample No: LH0224796

Oil Type: GEAR OIL SAE 75W90



Gerdau Manitoba Recycling
 314 Dawson Rd.
 Winnipeg, MB
 CA R2J 0S7
 Contact: Service Manager

T:
 F: (204)482-8241

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm. Silver ppm levels are severe. 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.



SAMPLE INFORMATION

Sample Number	LH0224796	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	21570	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

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

Silicon	ppm	● 1	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 173	---	---	---
Copper	ppm	● 26	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 12	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 7	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 8	---	---	---
Phosphorus	ppm	● 1173	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 277	---	---	---

Depot: GER314WIN
Unique No: 5669924
Signed: Kevin Marson
Report Date: 31 Oct 2023



GRAPHS

