

LIEBHERR

CONSTRUCTION EQUIPMENT



[(337755)] LIEBHERR L556 057483-1332 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	7383	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

LES CHARGEMENTS ERIC TURPIN

1170 CHEMIN DES VILLAS

MONT-LAURIER, QC

CA J9L 3G7

Contact: ERIC TURPIN



OIL CONDITION

Visc @ 40°C	cSt	● 192	---	---	---
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T: (819)660-9886

F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 27	---	---	---
Sodium	ppm	● 10	---	---	---
Potassium	ppm	● <1	---	---	---

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 LS 80W90. Please confirm. Copper, nickel and tin ppm levels are abnormal. 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	● 646	---	---	---
Copper	ppm	● 157	---	---	---
Lead	ppm	● 4	---	---	---
Tin	ppm	● 11	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	26	---	---	---
Nickel	ppm	● 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	69	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	19	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 73	---	---	---
Phosphorus	ppm	● 2245	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	2	---	---	---

Depot: LES11DES

Unique No: 5711738

Signed: Kevin Marson

Report Date: 23 Jan 2024



GRAPHS

