

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(337755)] LIEBHERR L556 057483-1332 - Front Differential

Sample No: LH  
 Oil Type: {unknown}



**LES CHARGEMENTS ERIC TURPIN**  
 1170 CHEMIN DES VILLAS  
 MONT-LAURIER, QC  
 CA J9L 3G7  
 Contact: ERIC TURPIN

T: (819)660-9886  
 F:



#### SAMPLE INFORMATION

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



#### OIL CONDITION

Visc @ 40°C	cSt	52.4	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	22	---	---	---
Sodium	ppm	17	---	---	---
Potassium	ppm	2	---	---	---



#### WEAR METALS

PQ		692	---	---	---
Iron	ppm	1331	---	---	---
Copper	ppm	141	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	7	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	6	---	---	---
Molybdenum	ppm	217	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	72	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3378	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1365	---	---	---
Phosphorus	ppm	1197	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	94	---	---	---

#### 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. Please specify the brand, type, and viscosity of the oil on your next sample. PQ levels are abnormal. Copper, iron and nickel ppm levels are abnormal. Gear wear is indicated. Thrust washer and/or bearing/bushing wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring. 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.

Depot: LES11DES  
 Unique No: 5711739  
 Signed: Kevin Marson  
 Report Date: 24 Jan 2024



### GRAPHS

