

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 077508 - Front Right Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 80



J.M. BASTILLE ACIER INC
 396 RUE TEMISCOUATA,, CP 744
 RIVIERE DU LOUP, QC
 CA G5R 3Z3
 Contact: MANAGER SERVICE

T: (418)862-3346
 F:



Sample Information

Sample Number	LH	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	16364	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 82.0	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 9	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 2	---	---	---



Wear Metals

PQ		● 29	---	---	---
Iron	ppm	● 482	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	● 24	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 91	---	---	---
Phosphorus	ppm	● 1165	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 120	---	---	---

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 80. Please confirm. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. 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: JMBRIV
 Unique No: 5776164
 Signed: Kevin Marson
 Report Date: 14 May 2024



Graphs

