

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1537 69-1253 - Front Differential

Sample No: LH0278095

Oil Type: {unknown}



9262-1408 Quebec Inc.
 13125 Rue Industrielle
 Sorel-Tracy, QC
 CA J3R 0E8
 Contact: Service Manager



Sample Information

Sample Number	LH0278095	LH0278091	---	---
Sample Date	02 Apr 2024	10 Mar 2024	---	---
Machine Hours	2000	2000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	94.0	76.2	---	---
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T:
F:



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	37	10	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	<1	---	---



Wear Metals

PQ		239	---	---	---
Iron	ppm	487	2	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	3	1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	2	36	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	4	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	4113	1595	---	---
Magnesium	ppm	15	463	---	---
Zinc	ppm	1018	977	---	---
Phosphorus	ppm	854	870	---	---
Barium	ppm	0	0	---	---
Boron	ppm	3	61	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. 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 30 Transmission/Drive Train Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Iron ppm levels are severe. A sharp increase in the iron level is noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: 926SOR
Unique No: 5760209
Signed: Kevin Marson
Report Date: 08 Apr 2024



Graphs

