

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40 121161 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH	LH0186131	---	---
Sample Date	27 Mar 2024	18 Dec 2020	---	---
Machine Hours	14060	1105	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

LIEBHERR CANADA LTEE
 444 AVENUE DE LA FRICHE
 DOLBEAU-MISTASSINI, QC
 CA G8L 3M7
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Oil Condition

Visc @ 40°C	cSt	176	130	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	4	12	---	---
Sodium	ppm	2	15	---	---
Potassium	ppm	<1	2	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	59	205	---	---
Copper	ppm	3	18	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	<1	---	---



Additives

Calcium	ppm	12	153	---	---
Magnesium	ppm	<1	4	---	---
Zinc	ppm	7	54	---	---
Phosphorus	ppm	2287	1743	---	---
Barium	ppm	0	1	---	---
Boron	ppm	13	8	---	---

Depot: LBADOL
 Unique No: 5763474
 Signed: Wes Davis
 Report Date: 22 Apr 2024



Graphs

