

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40 121161- Splitter Box

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR CANADA LTEE
 444 AVENUE DE LA FRICHE
 DOLBEAU-MISTASSINI, QC
 CA G8L 3M7
 Contact: Martin Gagnon
 martin.gagnon@liebherr.com
 T:
 F: (418)276-9844



Sample Information

Sample Number	LH	LH0168038	---	---
Sample Date	27 Mar 2024	05 Jun 2020	---	---
Machine Hours	14060	484	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	88.6	● 195	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 5	● <1	---	---
Sodium	ppm	● 3	● 5	---	---
Potassium	ppm	● 2	● 1	---	---



Wear Metals

Iron	ppm	● 30	● 19	---	---
Copper	ppm	● 2	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 131	● 10	---	---
Magnesium	ppm	● 12	● 2	---	---
Zinc	ppm	● 180	● 28	---	---
Phosphorus	ppm	● 1598	● 1637	---	---
Barium	ppm	● 0	● 1	---	---
Boron	ppm	● 12	● 1	---	---

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.

Depot: LBADOL
 Unique No: 5763480
 Signed: Wes Davis
 Report Date: 22 Apr 2024



Graphs

