

LIEBHERR

CONSTRUCTION EQUIPMENT



[fondation beliveau] LIEBHERR LH40M 098208 - Swing Drive

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



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

Sample Number	LH	LH	---	---
Sample Date	04 Mar 2024	29 Jun 2023	---	---
Machine Hours	6970	6242	---	---
Oil Hours	135	135	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 190	● 179	---	---
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CONTAMINATION

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



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 615	● 319	---	---
Copper	ppm	● 24	● 17	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 3	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 5	● 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 19	● 18	---	---
Magnesium	ppm	● 2	● 2	---	---
Zinc	ppm	● 122	● 25	---	---
Phosphorus	ppm	● 2120	● 2142	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 8	● 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: 5737110
 Signed: Kevin Marson
 Report Date: 06 Mar 2024



GRAPHS

