

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 153712-1253 - Swing Drive

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Innovation Industrielle Boivin Inc.
 2205 de la Fonderie
 Chicoutimi, QC
 CA G7H 8B9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 178	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● <1	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 230	---	---	---
Copper	ppm	● 56	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 4	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	102	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	37	---	---	---
Phosphorus	ppm	● 2256	---	---	---
Barium	ppm	● 13	---	---	---
Boron	ppm	● 4	---	---	---

Depot: INN220CHI
 Unique No: 5696999
 Signed: Wes Davis
 Report Date: 18 Dec 2023



GRAPHS

