

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 146107-1217 - Front Left Wheel Hub

Sample No: LH0128882

Oil Type: LIEBHERR GEAR BASIC 90 LS



GLENVIEW IRON & METAL LTD.
 3954 HWY 43 WEST,, BOX 1012
 SMITH FALLS, ON
 CA K7A 4S4
 Contact: SERVICE

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0128882	---	---	---
Sample Date	13 Sep 2023	---	---	---
Machine Hours	510	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 147	---	---	---
Acid Number (AN)	mg KOH/g	● 2.12	---	---	---



CONTAMINATION

Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

PQ		● 145	---	---	---
Iron	ppm	● 88	---	---	---
Copper	ppm	● 16	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 19	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 60	---	---	---
Phosphorus	ppm	● 1621	---	---	---
Barium	ppm	● 87	---	---	---
Boron	ppm	● 88	---	---	---

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: GLESMI
 Unique No: 5644727
 Signed: Wes Davis
 Report Date: 20 Sep 2023



GRAPHS

