

LIEBHERR

CONSTRUCTION EQUIPMENT



54868 - Swing Drive

Sample No: LH0260723

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0260723	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	997	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 191	---	---	---
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CONTAMINATION

Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 168	---	---	---
Copper	ppm	● 12	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 12	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 25	---	---	---
Phosphorus	ppm	● 2182	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 3	---	---	---

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: DEL782MON
Unique No: 5632232
Signed: Wes Davis
Report Date: 29 Aug 2023



GRAPHS

