

LIEBHERR

CONSTRUCTION EQUIPMENT



24999 - Left Final Drive

Sample No: LH0270461

Oil Type: GEAR OIL SAE 90W140



SAMPLE INFORMATION

Sample Number	LH0270461	---	---	---
Sample Date	23 Jul 2023	---	---	---
Machine Hours	844	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Gillis
 joseph.gillis@liebherr.com
 T:
 F: (905)319-6622



OIL CONDITION

Visc @ 40°C	cSt	● 331	---	---	---
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CONTAMINATION

Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 74	---	---	---
Copper	ppm	● 40	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 33	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 20	---	---	---
Phosphorus	ppm	● 1204	---	---	---
Barium	ppm	● 29	---	---	---
Boron	ppm	● 5	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 90W140. Please confirm.

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: LIEMIS
 Unique No: 5616786
 Signed: Wes Davis
 Report Date: 24 Jul 2023



GRAPHS

