

LIEBHERR

CONSTRUCTION EQUIPMENT



24999 - Left Final Drive

Sample No: LH0281442

Oil Type: GEAR OIL SAE 90W140



SAMPLE INFORMATION

Sample Number	LH0281442	LH0270461	---	---
Sample Date	27 Nov 2023	23 Jul 2023	---	---
Machine Hours	997	844	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	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	126	● 331	---	---
-------------	-----	-----	-------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 4	● 7	---	---
Sodium	ppm	● 2	● 3	---	---
Potassium	ppm	● <1	● <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.



WEAR METALS

Iron	ppm	● 34	● 74	---	---
Copper	ppm	● 21	● 40	---	---
Lead	ppm	● <1	● 1	---	---
Tin	ppm	● <1	● 1	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● 1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 0	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 16	● 33	---	---
Magnesium	ppm	● <1	● 3	---	---
Zinc	ppm	● 12	● 20	---	---
Phosphorus	ppm	● 1231	● 1204	---	---
Barium	ppm	● 7	● 29	---	---
Boron	ppm	● 241	● 5	---	---

Depot: LIEMIS
 Unique No: 5684568
 Signed: Wes Davis
 Report Date: 29 Nov 2023



GRAPHS

