

LIEBHERR

CONSTRUCTION EQUIPMENT



[CNRL] 2210 - Left Final Drive

Sample No: LH0265177

Oil Type: GEAR OIL SAE 80W140



Liebherr-Canada Ltd.
 Fort McKay Industrial Park, Lot No. 12 and 13
 Fort McMurray, AB
 CA T9H 5N3
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Sample Information

Sample Number	LH0265177	---	---	---
Sample Date	03 Jul 2024	---	---	---
Machine Hours	25320	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 237	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 26	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 11	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 18	---	---	---
Phosphorus	ppm	● 940	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 234	---	---	---

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 80W140. 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: LIEFTM
 Unique No: 5803087
 Signed: Kevin Marson
 Report Date: 05 Jul 2024



Graphs

