

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### L90 - Front Differential

Sample No: LH0265889

Oil Type: PETRO CANADA DURATRAN



#### SAMPLE INFORMATION

Sample Number	LH0265889	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Gerdau - Mandak Metal Processors Ltd.,**  
 1 Railway St., P.O. Box 334  
 Selkirk, MB  
 CA R1A 2B3  
 Contact: Rolyn De La Cruz  
 rolyn.delacruz@gerdau.com  
 T:  
 F: (204)482-8241



#### OIL CONDITION

Visc @ 40°C	cSt	39.1	---	---	---
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#### CONTAMINATION

Silicon	ppm	11	---	---	---
Sodium	ppm	7	---	---	---
Potassium	ppm	<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	28	---	---	---
Copper	ppm	6	---	---	---
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	4017	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	1628	---	---	---
Phosphorus	ppm	1393	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	112	---	---	---

**Depot:** MANSEL  
**Unique No:** 5642545  
**Signed:** Wes Davis  
**Report Date:** 11 Sep 2023



### GRAPHS

