

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR T60-9 022201-1709 - Front Left Wheel Hub

Sample No: LH0228243

Oil Type: LIEBHERR GEAR MF 80W



#### SAMPLE INFORMATION

Sample Number	LH0228243	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	1045	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ECOWASTE INDUSTRIES**  
 4 SPRUCE ST  
 NEW WESTMINSTER, BC  
 CA V3L 5G6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	● 64.4	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 19	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### WEAR METALS

Iron	ppm	● 268	---	---	---
Copper	ppm	● 328	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 2638	---	---	---
Magnesium	ppm	● 13	---	---	---
Zinc	ppm	● 1190	---	---	---
Phosphorus	ppm	● 1541	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 75	---	---	---

**Depot:** ECONEW  
**Unique No:** 5734583  
**Signed:** Kevin Marson  
**Report Date:** 22 Feb 2024



### GRAPHS

