

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 074359-1760 - Front Right Wheel Hub

Sample No: LH0281081

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0281081	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	908	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**RICHMOND STEEL RECYCLING**  
 11760 MITCHELL ROAD  
 RICHMOND, BC  
 CA V6V 1V8  
 Contact: Aaron Kaetler  
 AKaetler@richmondsteel.ca  
 T:  
 F: (604)324-8617



#### OIL CONDITION

Visc @ 40°C	cSt	194	---	---	---
-------------	-----	-----	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	17	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	174	---	---	---
Copper	ppm	68	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	5	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	52	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	18	---	---	---
Phosphorus	ppm	2328	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RIC117RIC  
 Unique No: 5709885  
 Signed: Kevin Marson  
 Report Date: 15 Jan 2024



### GRAPHS

