

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 074359-1760 - Rear Left Wheel Hub

Sample No: LH0281083

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0281083	LH0281080	---	---
Sample Date	10 Jan 2024	10 Jan 2024	---	---
Machine Hours	908	908	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	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	194	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	18	20	---	---
Sodium	ppm	4	5	---	---
Potassium	ppm	1	1	---	---



WEAR METALS

Iron	ppm	178	188	---	---
Copper	ppm	70	58	---	---
Lead	ppm	2	2	---	---
Tin	ppm	5	5	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	54	28	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	7	7	---	---
Magnesium	ppm	4	4	---	---
Zinc	ppm	18	16	---	---
Phosphorus	ppm	2368	2334	---	---
Barium	ppm	0	0	---	---
Boron	ppm	3	4	---	---

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: 5709883
 Signed: Kevin Marson
 Report Date: 15 Jan 2024



GRAPHS

