

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 074359-1760 - Rear Right Wheel Hub

Sample No: LH0281082

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0281082	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

RICHMOND STEEL RECYCLING

11760 MITCHELL ROAD

RICHMOND, BC

CA V6V 1V8

Contact: Aaron Kaetler

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T:

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OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	20	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	192	---	---	---
Copper	ppm	59	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	5	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	28	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	16	---	---	---
Phosphorus	ppm	2333	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. 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: 5709881

Signed: Kevin Marson

Report Date: 15 Jan 2024



GRAPHS

