

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 074359-1760 - Rear Differential

Sample No: LH0281084

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0281084	---	---	---
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	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 20	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 189	---	---	---
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	● 6	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 15	---	---	---
Phosphorus	ppm	● 2291	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 3	---	---	---

Depot: RIC117RIC
 Unique No: 5709884
 Signed: Kevin Marson
 Report Date: 15 Jan 2024



GRAPHS

