



CONSTRUCTION EQUIPMENT

LIEBHERR L524 020079-659 - REAR LEFT WHEEL HUB



Sample No: VCP06152676
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP06152676	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 138	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 38	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 138	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	● 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 41	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 17	---	---	---
Phosphorus	ppm	■ 1109	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 206	---	---	---

Depot: SIMCHIL
Unique No: 10982754
Signed: Sean Felton
Report Date: 22 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

