



CONSTRUCTION EQUIPMENT

LIEBHERR L524 020079-659 - REAR DIFFERENTIAL



Sample No: VCP06152677
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP06152677	LHMC130649	---	---
Sample Date	02 Apr 2024	18 Mar 2019	---	---
Machine Hours	0	11557	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	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	141	132.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	6	12	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	4	0	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR METALS

Iron	ppm	37	276	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	9	36	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---

All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

ADDITIVES

Calcium	ppm	16	12	---	---
Magnesium	ppm	6	9	---	---
Zinc	ppm	2	12	---	---
Phosphorus	ppm	1071	2062	---	---
Barium	ppm	0	0	---	---
Boron	ppm	204	346	---	---

Depot: SIMCHIL
Unique No: 10982755
Signed: Wes Davis
Report Date: 19 Apr 2024



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GRAPHS

