

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L524 020079-659 - Front Differential

Sample No: LH06152679

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH06152679	LHMC130501	---	---
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

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#### Oil Condition

Visc @ 40°C	cSt	128	123.2	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	7	8	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	2	0	---	---



#### Wear Metals

Iron	ppm	198	254	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	13	23	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	22	16	---	---
Magnesium	ppm	4	3	---	---
Zinc	ppm	3	14	---	---
Phosphorus	ppm	2239	1956	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	364	325	---	---

#### 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.

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.

Depot: SIMCHIL  
Unique No: 10982757  
Signed: Wes Davis  
Report Date: 18 Apr 2024



### Graphs

