

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 1218-157090 - Front Left Wheel Hub

Sample No: LH0282876

Oil Type: GEAR OIL SAE 80W90



**KINDER MORGAN**

4301 IVERSON

TRINITY, AL

US 35601

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#### Sample Information

Sample Number	LH0282876	LH0282898	---	---
Sample Date	18 May 2024	19 Mar 2024	---	---
Machine Hours	1559	545	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	95.8	161	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	11	26	---	---
Sodium	ppm	5	8	---	---
Potassium	ppm	2	<1	---	---



#### Wear Metals

Iron	ppm	329	113	---	---
Copper	ppm	11	6	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	3	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	3	2	---	---
Vanadium	ppm	<1	<1	---	---



#### Additives

Calcium	ppm	89	68	---	---
Magnesium	ppm	15	0	---	---
Zinc	ppm	82	21	---	---
Phosphorus	ppm	486	1249	---	---
Barium	ppm	0	0	---	---
Boron	ppm	5	<1	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: KINTRI

Unique No: 11049348

Signed: Don Baldrige

Report Date: 30 May 2024



### Graphs

