

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 1218-157090 - Swing Drive

Sample No: LH0282875

Oil Type: SAE 30W



**KINDER MORGAN**

4301 IVERSON

TRINITY, AL

US 35601

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#### Sample Information

Sample Number	LH0282875	LH0282886	LH0282897	---
Sample Date	18 May 2024	19 Apr 2024	19 Mar 2024	---
Machine Hours	1559	997	545	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---



#### Oil Condition

Visc @ 40°C	cSt	● 94.2	● 174	● 185	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	● 2	● 2	● 1	---
Sodium	ppm	● 4	● 3	● 3	---
Potassium	ppm	● 2	● 3	● 2	---



#### Wear Metals

Iron	ppm	● 93	● 173	● 135	---
Copper	ppm	● 81	● 77	● 38	---
Lead	ppm	● 0	● <1	● 0	---
Tin	ppm	● <1	● 3	● 3	---
Aluminum	ppm	● 2	● <1	● 0	---
Chromium	ppm	● 1	● <1	● <1	---
Molybdenum	ppm	● 5	● <1	● 1	---
Nickel	ppm	● <1	● <1	● <1	---
Titanium	ppm	● <1	● 0	● 0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	● <1	● 2	● 2	---
Vanadium	ppm	<1	0	<1	---



#### Additives

Calcium	ppm	● 190	● 192	● 34	---
Magnesium	ppm	● 34	● 7	● 0	---
Zinc	ppm	● 131	● 85	● 13	---
Phosphorus	ppm	● 474	● 2234	● 2102	---
Barium	ppm	● 0	● 0	● 0	---
Boron	ppm	● 6	● 8	● 4	---

#### 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: KINTRI

Unique No: 11049360

Signed: Don Baldrige

Report Date: 30 May 2024



### Graphs

