

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-139058 - Swing Drive

Sample No: LHMC62751

Oil Type: MOBIL MOBILUBE HD LS 80W90



N9090 COUNTY RD E  
TOMAHAWK, WI  
US 54487  
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#### SAMPLE INFORMATION

Sample Number	<b>LHMC62751</b>	LHMC51597	LHMC62782	LHMC82182
Sample Date	<b>23 Jun 2023</b>	04 May 2023	09 Mar 2023	23 Jan 2023
Machine Hours	<b>3586</b>	3081	2575	2000
Oil Hours	<b>500</b>	1000	500	2000
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	● 145	● 146	● 146	● 148
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#### CONTAMINATION

Silicon	ppm	● 3	● 3	● 2	● 5
Sodium	ppm	● 2	● 0	● 0	● 0
Potassium	ppm	● 0	● <1	● <1	● <1



#### WEAR METALS

Iron	ppm	● 42	● 80	● 31	● 103
Copper	ppm	● 15	● 25	● 8	● 60
Lead	ppm	● 0	● 0	● 0	● 0
Tin	ppm	● <1	● 2	● <1	● 3
Aluminum	ppm	● 0	● 0	● <1	● <1
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● <1	● 0	● 0
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● 0	● 0	● 0
Manganese	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



#### ADDITIVES

Calcium	ppm	● 10	● 8	● 19	● 12
Magnesium	ppm	● 0	● <1	● 0	● <1
Zinc	ppm	● 6	● 6	● 7	● 11
Phosphorus	ppm	● 2314	● 2187	● 1919	● 2345
Barium	ppm	● 0	● 0	● 0	● 1
Boron	ppm	● 200	● 193	● 170	● 182

#### 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 condition of the oil is acceptable for the time in service.

Depot: PACTOM  
Unique No: 10539011  
Signed: Sean Felton  
Report Date: 05 Jul 2023



### GRAPHS

