

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Swing Drive

Sample No: LHMC85065

Oil Type: MOBIL MOBILUBE HD LS 80W90



SAMPLE INFORMATION

Sample Number	LHMC85065	LHMC62751	LHMC51597	LHMC62782
Sample Date	17 Aug 2023	23 Jun 2023	04 May 2023	09 Mar 2023
Machine Hours	4098	3586	3081	2575
Oil Hours	2000	500	1000	500
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	145	145	146	146
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CONTAMINATION

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



WEAR METALS

Iron	ppm	109	42	80	31
Copper	ppm	17	15	25	8
Lead	ppm	0	0	0	0
Tin	ppm	2	<1	2	<1
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	14	10	8	19
Magnesium	ppm	0	0	<1	0
Zinc	ppm	6	6	6	7
Phosphorus	ppm	2172	2314	2187	1919
Barium	ppm	0	0	0	0
Boron	ppm	214	200	193	170

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: 10619846
 Signed: Wes Davis
 Report Date: 25 Aug 2023



GRAPHS

