

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Swing Drive

Sample No: LHMC84286

Oil Type: MOBIL MOBILUBE HD LS 80W90



SAMPLE INFORMATION

Sample Number	LHMC84286	LHMC85065	LHMC62751	LHMC51597
Sample Date	11 Oct 2023	17 Aug 2023	23 Jun 2023	04 May 2023
Machine Hours	4598	4098	3586	3081
Oil Hours	500	2000	500	1000
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	146	145	145	146
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CONTAMINATION

Silicon	ppm	20	3	3	3
Sodium	ppm	0	2	2	0
Potassium	ppm	2	0	0	<1



WEAR METALS

Iron	ppm	73	109	42	80
Copper	ppm	16	17	15	25
Lead	ppm	<1	0	0	0
Tin	ppm	1	2	<1	2
Aluminum	ppm	2	0	0	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	4	14	10	8
Magnesium	ppm	<1	0	0	<1
Zinc	ppm	5	6	6	6
Phosphorus	ppm	1969	2172	2314	2187
Barium	ppm	10	0	0	0
Boron	ppm	182	214	200	193

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: PACTOM
 Unique No: 10710232
 Signed: Sean Felton
 Report Date: 25 Oct 2023



GRAPHS

