

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Splitter Box

Sample No: LHMC85453

Oil Type: MOBIL MOBILUBE HD LS 80W90



SAMPLE INFORMATION

Sample Number	LHMC85453	LHMC88341	LHMC62760	LHMC88169
Sample Date	17 Aug 2023	04 May 2023	23 Jan 2023	19 Oct 2022
Machine Hours	4098	3081	2000	1030
Oil Hours	1000	1000	1000	1030
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	● 140	● 147	● 157	● 187
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CONTAMINATION

Silicon	ppm	● 7	● 3	● 3	● 2
Sodium	ppm	● 3	● 0	● 2	● <1
Potassium	ppm	● <1	● <1	● <1	● 5

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 74	● 71	● 34	● 25
Copper	ppm	● 2	● 23	● 2	● 1
Lead	ppm	● 0	● 0	● 0	● 0
Tin	ppm	● 0	● 1	● 0	● 0
Aluminum	ppm	● 0	● 0	● 0	● <1
Chromium	ppm	● 0	● <1	● <1	● 0
Molybdenum	ppm	● 2	● 0	● <1	● <1
Nickel	ppm	● 0	● 0	● 0	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 2	● <1	● <1	● 1
Vanadium	ppm	● <1	0	0	0



ADDITIVES

Calcium	ppm	● 91	● 18	30	● 67
Magnesium	ppm	● 21	● <1	● 1	● 13
Zinc	ppm	● 77	● 11	● 27	● 35
Phosphorus	ppm	● 2059	● 2031	● 1780	● 1618
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 192	● 176	● 125	● 7

Depot: PACTOM
Unique No: 10619844
Signed: Don Baldrige
Report Date: 27 Aug 2023



GRAPHS

