

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Swing Drive

Sample No: LHMC50275

Oil Type: MOBIL MOBILUBE HD LS 80W90



SAMPLE INFORMATION

Sample Number	LHMC50275	LHMC85094	LHMC84286	LHMC85065
Sample Date	19 Jan 2024	30 Nov 2023	11 Oct 2023	17 Aug 2023
Machine Hours	5606	5101	4598	4098
Oil Hours	500	1000	500	2000
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	149	146	146	145



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	20	3
Sodium	ppm	0	0	0	2
Potassium	ppm	<1	0	2	0

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.



WEAR METALS

Iron	ppm	36	64	73	109
Copper	ppm	13	15	16	17
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	1	2
Aluminum	ppm	2	0	2	0
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	35	0	4	14
Magnesium	ppm	<1	0	<1	0
Zinc	ppm	8	0	5	6
Phosphorus	ppm	2183	2301	1969	2172
Barium	ppm	8	0	10	0
Boron	ppm	180	196	182	214

Depot: PACTOM
 Unique No: 10859947
 Signed: Wes Davis
 Report Date: 02 Feb 2024



GRAPHS

