

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-116574 - Rear Left Wheel Hub

Sample No: LH0171139

Oil Type: MOBIL MOBILUBE SHC 75W140



SAMPLE INFORMATION

Sample Number	LH0171139	LH0171118	LH0171111	LH0171097
Sample Date	29 Aug 2023	27 Apr 2023	27 Jan 2023	27 Feb 2022
Machine Hours	17910	16726	14930	2000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BOISE WHITE PAPER

3RD AVE AND HWY 11, 400 2ND ST
INTERNATIONAL FALLS, MN
US 56649
Contact: GARY MANN
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OIL CONDITION

Visc @ 40°C	cSt	142	174	151	162
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CONTAMINATION

Element	ppm	3	4	9	10
Silicon	ppm	3	4	9	10
Sodium	ppm	2	3	3	5
Potassium	ppm	0	1	0	1



WEAR METALS

Element	ppm	79	80	204	76
Iron	ppm	79	80	204	76
Copper	ppm	14	11	51	33
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	0	0	1	<1
Molybdenum	ppm	2	0	<1	1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	4	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Element	ppm	39	14	57	136
Calcium	ppm	39	14	57	136
Magnesium	ppm	6	2	2	6
Zinc	ppm	16	9	47	41
Phosphorus	ppm	1088	2119	1845	1972
Barium	ppm	0	0	<1	1
Boron	ppm	20	28	166	76

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: BOIINT
Unique No: 10633781
Signed: Sean Felton
Report Date: 08 Sep 2023



GRAPHS

