

LIEBHERR

CONSTRUCTION EQUIPMENT



[(353859)] LIEBHERR LH50M 132600-1216 - Front Right Wheel

Sample No: LH0209268

Oil Type: IRVING HDH SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0209268	LH	LH0223250	LH0209353
Sample Date	09 Feb 2024	17 Nov 2023	10 Mar 2023	20 Jan 2022
Machine Hours	13188	12032	8586	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
ericbrisebois99@gmail.com

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OIL CONDITION

Visc @ 40°C	cSt	151	91.5	90.2	102
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	7	5	12
Sodium	ppm	2	1	1	4
Potassium	ppm	1	1	<1	1



WEAR METALS

Iron	ppm	93	57	23	94
Copper	ppm	7	17	4	22
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	2
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	20	47	59	63
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	18	31	33	34
Phosphorus	ppm	1994	1041	1117	1296
Barium	ppm	0	0	0	0
Boron	ppm	42	155	146	78

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: HUBBOI
Unique No: 5750525
Signed: Wes Davis
Report Date: 28 Mar 2024



GRAPHS

