

LIEBHERR

CONSTRUCTION EQUIPMENT



076507-1204 - Front Left Wheel Hub

Sample No: LH0270244

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0270244	LH0239594	LH0162380	LH
Sample Date	12 Oct 2023	02 Aug 2022	10 Mar 2020	23 Jan 2019
Machine Hours	17007	14950	10440	10440
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

75 Steel City Court
Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
hamiltonmobileassetmaintenance@aim-recycling.com
T: (905)547-5533
F: (905)544-5671



OIL CONDITION

Visc @ 40°C	cSt	87.2	89.2	97.3	94.7
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CONTAMINATION

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



WEAR METALS

Iron	ppm	28	30	22	14
Copper	ppm	24	18	6	6
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	7	7	15
Magnesium	ppm	2	2	2	8
Zinc	ppm	21	18	10	19
Phosphorus	ppm	1255	1252	1303	1243
Barium	ppm	<1	0	<1	0
Boron	ppm	321	321	331	321

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: AMEHAM
Unique No: 5658106
Signed: Wes Davis
Report Date: 13 Oct 2023



GRAPHS

