

LIEBHERR

CONSTRUCTION EQUIPMENT



076507-1204 - Rear Differential

Sample No: LH0274767

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0274767	LH0239596	LH0162368	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

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Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
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OIL CONDITION

Visc @ 40°C	cSt	103	102	105	101
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CONTAMINATION

Silicon	ppm	1	2	1	3
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	<1	1	<1	<1



WEAR METALS

Iron	ppm	3	6	2	5
Copper	ppm	3	4	2	7
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	54	6	16
Magnesium	ppm	1	2	2	8
Zinc	ppm	10	67	6	19
Phosphorus	ppm	1199	950	1289	1243
Barium	ppm	<1	0	<1	0
Boron	ppm	314	167	333	322

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: 5658101
Signed: Wes Davis
Report Date: 13 Oct 2023



GRAPHS

