

LIEBHERR

CONSTRUCTION EQUIPMENT



076507-1204 - Front Right Wheel Hub

Sample No: LH0270243

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0270243	LH0239597	LH0162364	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	88.2	89.2	97.5	95.0
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CONTAMINATION

Silicon	ppm	2	2	2	4
Sodium	ppm	<1	1	0	0
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	32	36	24	19
Copper	ppm	7	6	2	2
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	7	8	15
Magnesium	ppm	2	2	2	8
Zinc	ppm	11	9	7	16
Phosphorus	ppm	1274	1225	1309	1233
Barium	ppm	<1	0	<1	0
Boron	ppm	328	320	333	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: 5658102
Signed: Wes Davis
Report Date: 13 Oct 2023



GRAPHS

