

LIEBHERR

CONSTRUCTION EQUIPMENT



[YARD AT A TIME] LIEBHERR L550 044342-1214 - Front Differ

Sample No: LH0241971

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0241971	LH0240761	LH0185825	LH0170566
Sample Date	31 Oct 2023	23 Feb 2023	18 Dec 2020	04 May 2020
Machine Hours	9534	8090	4004	3010
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Yard At A Time Concrete (1988) Ltd.
 8155-92nd Street
 Delta, BC
 CA V4G 0A4
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	180	183	193	187
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T:
F:



CONTAMINATION

Silicon	ppm	2	2	3	3
Sodium	ppm	2	5	3	2
Potassium	ppm	0	2	<1	<1

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.



WEAR METALS

Iron	ppm	92	76	87	128
Copper	ppm	6	4	4	7
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	3	2	3
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	2	0	<1	<1
Manganese	ppm	1	2	3	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	3	2	1
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	8	9	4	6
Phosphorus	ppm	2365	2452	2245	2477
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	3	15

Depot: YARDEL
 Unique No: 5671389
 Signed: Wes Davis
 Report Date: 06 Nov 2023



GRAPHS

