

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L526 058450-1558 - Front Differential

Sample No: LH0289591

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0289591	LH0247504	LH0247231	LH0230919
Sample Date	15 Apr 2024	14 Mar 2023	06 Dec 2022	26 May 2022
Machine Hours	3938	3048	2702	1792
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CLOUTHIER VENTURES LTD.**  
 59 MATTHEWS STREET, R.R. # 5  
 PEMBROKE, ON  
 CA K8A 0A6  
 Contact: Travis Bennett  
 tbennett@clouthierconst.com  
 T: (613)735-6531  
 F: (613)735-2769



#### Oil Condition

Visc @ 40°C	cSt	151	102	94.5	99.4



#### Contamination

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



#### Wear Metals

Iron	ppm	36	23	83	99
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	21	6	59	14
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	7	10	38	47
Magnesium	ppm	2	2	2	2
Zinc	ppm	7	11	28	37
Phosphorus	ppm	2403	1465	2855	2565
Barium	ppm	0	0	<1	<1
Boron	ppm	96	337	244	217

#### 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: CLOPEM  
 Unique No: 5763122  
 Signed: Wes Davis  
 Report Date: 18 Apr 2024



### Graphs

