

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 068244 - Rear Differential

Sample No: LH0288161

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0288161	LH0278598	LH0278520	LH
Sample Date	25 Apr 2024	21 Feb 2024	22 Dec 2023	15 Sep 2023
Machine Hours	9033	8026	7142	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**Gerdau - Mandak Metal Processors Ltd.,**  
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#### Oil Condition

Visc @ 40°C	cSt	183	190	192	179
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	3	2	2
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	<1	<1	0

#### 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	17	40	34	13
Copper	ppm	4	10	5	5
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	5	2	1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	2	7	5	14
Magnesium	ppm	<1	1	<1	<1
Zinc	ppm	5	7	8	18
Phosphorus	ppm	2340	2320	2266	2258
Barium	ppm	0	0	0	0
Boron	ppm	2	7	0	1

**Depot:** MANSEL  
**Unique No:** 5774434  
**Signed:** Wes Davis  
**Report Date:** 03 May 2024



### Graphs

