

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 068244 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH	LH0265763	LH0250040	LH0150849
Sample Date	15 Sep 2023	21 Aug 2023	28 May 2023	30 Mar 2023
Machine Hours	0	5330	4345	3398
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	179	178	179	184
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#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	13	18	16	43
Copper	ppm	5	6	5	20
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	2
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	2	2	7
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	14	12	3	10
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	18	18	6	7
Phosphorus	ppm	2258	2407	2456	2522
Barium	ppm	0	0	0	0
Boron	ppm	1	<1	0	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.

Depot: MANSEL  
 Unique No: 5669319  
 Signed: Wes Davis  
 Report Date: 26 Oct 2023



### GRAPHS

