

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C106512-1528 - Right Final Drive

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



**Gerdau - Mandak Metal Processors Ltd.,**  
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 CA R1A 2B3  
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#### SAMPLE INFORMATION

Sample Number	LH	LH0234442	LH0150845	LH
Sample Date	23 Aug 2023	12 Jun 2023	06 Mar 2023	09 Nov 2022
Machine Hours	0	19187	17907	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	180	177	190	184
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#### CONTAMINATION

Silicon	ppm	17	13	8	80
Sodium	ppm	2	2	3	6
Potassium	ppm	1	1	<1	4



#### WEAR METALS

Iron	ppm	62	42	32	208
Copper	ppm	3	4	2	7
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	6	4	3	24
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	1	<1	<1	2
Titanium	ppm	<1	<1	<1	2
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	1	11
Vanadium	ppm	<1	0	0	<1



#### ADDITIVES

Calcium	ppm	81	55	38	190
Magnesium	ppm	18	13	9	52
Zinc	ppm	7	8	5	11
Phosphorus	ppm	2369	2317	2415	2431
Barium	ppm	0	0	0	0
Boron	ppm	2	5	1	5

#### 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: 5643662  
 Signed: Wes Davis  
 Report Date: 14 Sep 2023



### GRAPHS

