

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C106512-1528 - Splitter Box

Sample No: LH0288230

Oil Type: LIEBHERR GEAR BASIC 90 LS



**Gerdau - Mandak Metal Processors Ltd.,**  
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 Selkirk, MB  
 CA R1A 2B3  
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#### Sample Information

Sample Number	LH0288230	LH0278466	LH0278578	LH0265771
Sample Date	29 Apr 2024	21 Mar 2024	05 Jan 2024	28 Sep 2023
Machine Hours	23744	22529	21976	20758
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	167	175	152	163



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	8	4
Sodium	ppm	1	1	1	1
Potassium	ppm	1	1	2	<1



#### Wear Metals

Iron	ppm	47	66	38	13
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	12	9	21	17
Magnesium	ppm	1	2	4	2
Zinc	ppm	68	45	104	60
Phosphorus	ppm	2008	2021	2051	2122
Barium	ppm	0	0	0	<1
Boron	ppm	2	1	7	18

#### 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: 5774431  
 Signed: Wes Davis  
 Report Date: 03 May 2024



### Graphs

