

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Left Final Drive

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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SAMPLE INFORMATION

Sample Number	LH	LH0234441	LH0150844	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	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	185	178	183	181
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CONTAMINATION

Water	%	0.030	---	---	---
Silicon	ppm	12	5	10	66
Sodium	ppm	3	2	3	4
Potassium	ppm	<1	<1	<1	3



WEAR METALS

Iron	ppm	30	21	28	160
Copper	ppm	2	3	2	6
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	2	3	20
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	<1	0	<1	2
Silver	ppm	0	<1	0	0
Manganese	ppm	1	<1	1	8
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	35	21	32	154
Magnesium	ppm	6	5	5	39
Zinc	ppm	9	6	7	10
Phosphorus	ppm	2327	2325	2437	2415
Barium	ppm	0	0	0	0
Boron	ppm	2	6	23	6

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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: 5643663
 Signed: Bill Quesnel
 Report Date: 18 Sep 2023



GRAPHS

