

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Left Final Drive

Sample No: LH0278580

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0278580	LH	LH0234441	LH0150844
Sample Date	05 Jan 2024	23 Aug 2023	12 Jun 2023	06 Mar 2023
Machine Hours	21976	0	19187	17907
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Gerdau - Mandak Metal Processors Ltd.,
1 Railway St., P.O. Box 334
Selkirk, MB
CA R1A 2B3
Contact: Santiago Giraldo
santiago.giraldo@gerdau.com
T:
F: (204)482-8241



OIL CONDITION

Visc @ 40°C	cSt	194	185	178	183
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CONTAMINATION

Water	%	NEG	0.030	NEG	NEG
Silicon	ppm	<1	12	5	10
Sodium	ppm	1	3	2	3
Potassium	ppm	<1	<1	<1	<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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	2	35	21	32
Magnesium	ppm	<1	6	5	5
Zinc	ppm	2	9	6	7
Phosphorus	ppm	2260	2327	2325	2437
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	6	23

Depot: MANSEL
Unique No: 5720314
Signed: Wes Davis
Report Date: 25 Jan 2024



GRAPHS

