

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Right Final Drive

Sample No: LH0278581

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	LH0278581	LH	LH0234442	LH0150845
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



OIL CONDITION

Visc @ 40°C	cSt	194	180	177	190
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	17	13	8
Sodium	ppm	<1	2	2	3
Potassium	ppm	<1	1	1	<1



WEAR METALS

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



ADDITIVES

Calcium	ppm	2	81	55	38
Magnesium	ppm	<1	18	13	9
Zinc	ppm	2	7	8	5
Phosphorus	ppm	2238	2369	2317	2415
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	5	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: 5720315
 Signed: Wes Davis
 Report Date: 25 Jan 2024



GRAPHS

