

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0265762	LH0250039	LH0150848
Sample Date	15 Sep 2023	21 Aug 2023	28 May 2023	30 Mar 2023
Machine Hours	0	5330	4345	3398
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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OIL CONDITION

Visc @ 40°C	cSt	183	174	174	179
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CONTAMINATION

Silicon	ppm	3	4	3	3
Sodium	ppm	3	2	2	2
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	20	30	33	55
Copper	ppm	6	7	8	15
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	2	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	10	12	4	11
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	12	10	6	8
Phosphorus	ppm	2188	2339	2396	2441
Barium	ppm	<1	0	0	0
Boron	ppm	6	5	4	4

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: 5669318
 Signed: Wes Davis
 Report Date: 26 Oct 2023



GRAPHS

