

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Splitter Box

Sample No: LH0278462

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0278462	LH0224309	LH0278517	LH
Sample Date	22 Mar 2024	21 Feb 2024	22 Dec 2023	15 Sep 2023
Machine Hours	5517	8026	7142	0
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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Oil Condition

Visc @ 40°C	cSt	174	166	165	131
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	3	2	2
Sodium	ppm	<1	<1	3	2
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	6	22	18	9
Copper	ppm	<1	2	3	4
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	9	22	38	57
Magnesium	ppm	2	3	5	6
Zinc	ppm	38	73	127	167
Phosphorus	ppm	2283	2285	2193	1908
Barium	ppm	0	0	0	<1
Boron	ppm	2	5	2	3

Depot: MANSEL
 Unique No: 5760573
 Signed: Wes Davis
 Report Date: 08 Apr 2024



Graphs

