

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Splitter Box

Sample No: LH0278517

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0278517	LH	LH0265764	LH0234435
Sample Date	22 Dec 2023	15 Sep 2023	21 Aug 2023	09 Jun 2023
Machine Hours	7142	0	5330	4612
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	165	131	116	146
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	2
Sodium	ppm	3	2	2	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	18	9	9	8
Copper	ppm	3	4	3	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	38	57	96	86
Magnesium	ppm	5	6	5	2
Zinc	ppm	127	167	191	106
Phosphorus	ppm	2193	1908	1878	2159
Barium	ppm	0	<1	0	0
Boron	ppm	2	3	2	6

Depot: MANSEL
 Unique No: 5720326
 Signed: Wes Davis
 Report Date: 25 Jan 2024

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GRAPHS

