

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Splitter Box

Sample No: LH0234435

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0234435	LH0250036	LH0150850	LH0150837
Sample Date	09 Jun 2023	28 May 2023	30 Mar 2023	29 Jan 2023
Machine Hours	4612	4345	3398	2283
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	146	142	118	184
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CONTAMINATION

Silicon	ppm	2	6	27	8
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	8	17	27	50
Copper	ppm	1	<1	1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	86	99	24	23
Magnesium	ppm	2	3	3	6
Zinc	ppm	106	109	25	43
Phosphorus	ppm	2159	2175	1766	2351
Barium	ppm	0	0	<1	3
Boron	ppm	6	30	178	7

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: 5606498
 Signed: Wes Davis
 Report Date: 12 Jul 2023



GRAPHS

