

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Splitter Box

Sample No: LH0278466

Oil Type: LIEBHERR GEAR BASIC 90 LS



Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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Sample Information

Sample Number	LH0278466	LH0278578	LH0265771	LH
Sample Date	21 Mar 2024	05 Jan 2024	28 Sep 2023	23 Aug 2023
Machine Hours	22529	21976	20758	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	175	152	163	128



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	8	4	4
Sodium	ppm	1	1	1	1
Potassium	ppm	1	2	<1	<1



Wear Metals

Iron	ppm	66	38	13	22
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	9	21	17	28
Magnesium	ppm	2	4	2	4
Zinc	ppm	45	104	60	125
Phosphorus	ppm	2021	2051	2122	1859
Barium	ppm	0	0	<1	0
Boron	ppm	1	7	18	31

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: 5760574
 Signed: Wes Davis
 Report Date: 08 Apr 2024



Graphs

