

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 068244 - Transmission (Manual)

Sample No: LH0278521

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0278521	LH	LH0265761	LH0250038
Sample Date	22 Dec 2023	15 Sep 2023	21 Aug 2023	28 May 2023
Machine Hours	7142	0	5330	4345
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**Gerdau - Mandak Metal Processors Ltd.,**  
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#### OIL CONDITION

Visc @ 40°C	cSt	36.8	42.1	45.2	37.0
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	8	9	9
Sodium	ppm	1	6	6	5
Potassium	ppm	1	1	1	2



#### WEAR METALS

Iron	ppm	6	7	6	10
Copper	ppm	<1	1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	3767	3829	3795	3838
Magnesium	ppm	13	11	11	12
Zinc	ppm	1515	1518	1511	1499
Phosphorus	ppm	1273	1229	1325	1321
Barium	ppm	0	<1	0	0
Boron	ppm	107	110	111	105

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 70W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.

**Depot:** MANSEL  
**Unique No:** 5720285  
**Signed:** Kevin Marson  
**Report Date:** 26 Jan 2024



### GRAPHS

