

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Transmission (Manual)

Sample No: LH0278599

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278599	LH0278521	LH	LH0265761
Sample Date	21 Feb 2024	22 Dec 2023	15 Sep 2023	21 Aug 2023
Machine Hours	8026	7142	0	5330
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
 santiago.giraldo@gerdau.com
 T:
 F: (204)482-8241



OIL CONDITION

Visc @ 40°C	cSt	35.8	36.8	42.1	45.2
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CONTAMINATION

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



WEAR METALS

Iron	ppm	9	6	7	6
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3799	3767	3829	3795
Magnesium	ppm	15	13	11	11
Zinc	ppm	1534	1515	1518	1511
Phosphorus	ppm	1291	1273	1229	1325
Barium	ppm	0	0	<1	0
Boron	ppm	104	107	110	111

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. Additive levels indicate the addition of a different brand, or type of fluid. Viscosity of sample indicates oil is within SAE 70W80 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: MANSEL
Unique No: 5736718
Signed: Kevin Marson
Report Date: 05 Mar 2024



GRAPHS

