

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Transmission (Manual)

Sample No: LH

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH	LH0265761	LH0250038	LH0150846
Sample Date	15 Sep 2023	21 Aug 2023	28 May 2023	30 Mar 2023
Machine Hours	0	5330	4345	3398
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.1	45.2	37.0	37.7
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CONTAMINATION

Silicon	ppm	8	9	9	7
Sodium	ppm	6	6	5	6
Potassium	ppm	1	1	2	2



WEAR METALS

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



ADDITIVES

Calcium	ppm	3829	3795	3838	3796
Magnesium	ppm	11	11	12	11
Zinc	ppm	1518	1511	1499	1513
Phosphorus	ppm	1229	1325	1321	1308
Barium	ppm	<1	0	0	0
Boron	ppm	110	111	105	103

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA TRAXON 75W90 SYNTHETIC, however, a fluid match indicates that this fluid is SAE 75W80 Wet Brake Transaxle Oil. Please confirm the fluid type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 75W80 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: 5669258
Signed: Kevin Marson
Report Date: 27 Oct 2023



GRAPHS

