

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Transmission (Manual)

Sample No: LH0265761

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0265761	LH0250038	LH0150846	LH0150838
Sample Date	21 Aug 2023	28 May 2023	30 Mar 2023	24 Jan 2023
Machine Hours	5330	4345	3398	2283
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	45.2	37.0	37.7	41.4
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CONTAMINATION

Silicon	ppm	9	9	7	8
Sodium	ppm	6	5	6	20
Potassium	ppm	1	2	2	3



WEAR METALS

Iron	ppm	6	10	6	15
Copper	ppm	<1	1	1	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3795	3838	3796	3640
Magnesium	ppm	11	12	11	8
Zinc	ppm	1511	1499	1513	1445
Phosphorus	ppm	1325	1321	1308	1269
Barium	ppm	0	0	0	0
Boron	ppm	111	105	103	101

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: 5643622
Signed: Kevin Marson
Report Date: 15 Sep 2023



GRAPHS

