

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336345)] LIEBHERR L586 060438-1334 - Transmission (Ma

Sample No: LH0288238

Oil Type: TDH FLUID SAE 75W80



Sample Information

Sample Number	LH0288238	LH0242723	LH	LH0234397
Sample Date	26 Apr 2024	14 Jan 2023	24 Sep 2022	08 Aug 2022
Machine Hours	7991	5019	6018	3993
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

Bird's Hill Gravel and Stone Ltd.

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Winnipeg, MB

CA R2J 4B3

Contact: Joel Malkoske

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F:



Oil Condition

Visc @ 40°C	cSt	34.4	35.8	34.4	35.0
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	8	9	9
Sodium	ppm	3	5	7	8
Potassium	ppm	1	1	<1	2



Wear Metals

Iron	ppm	97	20	26	30
Copper	ppm	1	<1	<1	1
Lead	ppm	3	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	<1	2	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<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	3767	3506	3738	3835
Magnesium	ppm	15	13	15	13
Zinc	ppm	1461	1412	1493	1491
Phosphorus	ppm	1196	1234	1299	1210
Barium	ppm	0	0	0	0
Boron	ppm	104	101	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 (GENERIC) TDH FLUID SAE 75W80, however, a fluid match indicates that this fluid is SAE 70W80 Tractor TDH Fluid. 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 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: BIRWIN

Unique No: 5773515

Signed: Kevin Marson

Report Date: 30 Apr 2024

Submitted By: Vincent Blanchette



Graphs

