

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(360377)] LIEBHERR L580 059426-1464 - Transmission (Ma

Sample No: LH0237652

Oil Type: PETRO CANADA DURADRIIVE HD SYNTHETIC ATF



### Sample Information

Sample Number	LH0237652	LH0237641	LH0242486	LH0239703
Sample Date	14 May 2024	08 Sep 2023	17 Nov 2022	18 Aug 2022
Machine Hours	6520	5106	3593	2987
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

**CLOUTHIER VENTURES LTD.**  
 59 MATTHEWS STREET, R.R. # 5  
 PEMBROKE, ON  
 CA K8A 0A6  
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### Oil Condition

Visc @ 40°C	cSt	36.1	36.6	35.5	37.1
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### Contamination

Water	%	NEG	NEG	NEG	0.072
Silicon	ppm	8	9	8	8
Sodium	ppm	6	13	11	12
Potassium	ppm	<1	57	2	2



### Wear Metals

Iron	ppm	37	26	28	21
Copper	ppm	2	3	3	3
Lead	ppm	0	2	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



### Additives

Calcium	ppm	3597	3572	3584	3547
Magnesium	ppm	12	10	10	9
Zinc	ppm	1431	1434	1417	1408
Phosphorus	ppm	1197	1202	1280	1171
Barium	ppm	0	<1	0	0
Boron	ppm	103	108	100	101

### 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. The condition of the fluid is acceptable for the time in service.

Depot: CLOPEM  
 Unique No: 5776891  
 Signed: Wes Davis  
 Report Date: 15 May 2024



### Graphs

