

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0237641

Oil Type: PETRO CANADA DURADRIIVE HD SYNTHETIC ATF



SAMPLE INFORMATION

Sample Number	LH0237641	LH0242486	LH0239703	LH0230691
Sample Date	08 Sep 2023	17 Nov 2022	18 Aug 2022	31 May 2022
Machine Hours	5106	3593	2987	2443
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	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	36.6	35.5	37.1	39.9
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CONTAMINATION

Water	%	---	---	0.072	---
Silicon	ppm	9	8	8	8
Sodium	ppm	13	11	12	14
Potassium	ppm	57	2	2	1



WEAR METALS

Iron	ppm	26	28	21	19
Copper	ppm	3	3	3	3
Lead	ppm	2	<1	0	<1
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	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3572	3584	3547	3608
Magnesium	ppm	10	10	9	11
Zinc	ppm	1434	1417	1408	1494
Phosphorus	ppm	1202	1280	1171	1253
Barium	ppm	<1	0	0	0
Boron	ppm	108	100	101	103

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: 5646677
 Signed: Wes Davis
 Report Date: 28 Sep 2023



GRAPHS

