

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Transmission (Manual)

Sample No: LH0276260

Oil Type: PETRO CANADA DURATRAN



Sample Information

Sample Number	LH0276260	LH0270258	LH0274428	LH0256591
Sample Date	14 May 2024	25 Sep 2023	15 Aug 2023	27 Mar 2023
Machine Hours	14463	12214	11526	10029
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	N/A
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

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Oil Condition

Visc @ 40°C	cSt	33.0	94.7	43.5	37.3



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	3	6	7
Sodium	ppm	14	1	<1	<1
Potassium	ppm	2	<1	<1	3



Wear Metals

Iron	ppm	24	66	15	9
Copper	ppm	5	13	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	1	1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	3583	15	2889	3948
Magnesium	ppm	12	2	8	12
Zinc	ppm	1468	18	1161	1540
Phosphorus	ppm	1204	2501	1276	1325
Barium	ppm	<1	<1	0	0
Boron	ppm	99	297	155	105

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

Depot: CGCHAG
Unique No: 5776976
Signed: Kevin Marson
Report Date: 15 May 2024



Graphs

