

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Transmission (Manual)

Sample No: LH0274428

Oil Type: PETRO CANADA DURATRAN



SAMPLE INFORMATION

Sample Number	LH0274428	LH0256591	LH0247321	LH0242637
Sample Date	15 Aug 2023	27 Mar 2023	08 Feb 2023	04 Nov 2022
Machine Hours	11526	10029	9404	8865
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.5	37.3	35.6	36.5
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CONTAMINATION

Silicon	ppm	6	7	9	8
Sodium	ppm	<1	<1	2	2
Potassium	ppm	<1	3	<1	0



WEAR METALS

Iron	ppm	15	9	31	24
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	2	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	0	0
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	2889	3948	3678	3646
Magnesium	ppm	8	12	13	14
Zinc	ppm	1161	1540	1403	1406
Phosphorus	ppm	1276	1325	1190	1181
Barium	ppm	0	0	0	0
Boron	ppm	155	105	99	101

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: 5629249
 Signed: Kevin Marson
 Report Date: 17 Aug 2023



GRAPHS

