

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053602-1484 - Transmission (Manual)

Sample No: LH0278832

Oil Type: PETRO CANADA DURATRAN



SAMPLE INFORMATION

Sample Number	LH0278832	LH0237709	LH0270376	LH0247093
Sample Date	11 Jan 2024	13 Oct 2023	14 Jul 2023	30 Nov 2022
Machine Hours	7741	7226	6154	5112
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
Contact: Keith



OIL CONDITION

Visc @ 40°C	cSt	37.5	37.9	47.9	45.5

T: (613)257-4995
F: (613)253-0071



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	8	9	6
Sodium	ppm	<1	1	1	1
Potassium	ppm	<1	0	<1	<1

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. Viscosity of sample indicates oil is within SAE 70W80 range, advise investigate. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	16	12	16	18
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3658	3580	3168	3408
Magnesium	ppm	12	10	12	14
Zinc	ppm	1462	1444	1315	1333
Phosphorus	ppm	1227	1217	1182	1156
Barium	ppm	0	<1	0	0
Boron	ppm	100	98	83	82

Depot: CAVASH
Unique No: 5710527
Signed: Kevin Marson
Report Date: 17 Jan 2024



GRAPHS

