

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 053616-1464 - Transmission (Manual)

Sample No: LH0260246

Oil Type: PETRO CANADA DURATRAN



SAMPLE INFORMATION

Sample Number	LH0260246	LH0234484	LH	LH0194598
Sample Date	02 Jun 2023	19 Oct 2022	19 May 2022	13 Oct 2021
Machine Hours	7980	6954	6000	5055
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

Quality Concrete Inc.
 35 Lafarge Lane
 Folly Lake, NS
 CA B0M 1M0
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	36.5	36.6	40.2	35.9
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T:
F:



CONTAMINATION

Silicon	ppm	9	8	8	9
Sodium	ppm	1	4	4	7
Potassium	ppm	<1	0	0	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	15	10	5	16
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3810	3440	3437	3636
Magnesium	ppm	15	19	41	11
Zinc	ppm	1472	1336	1391	1529
Phosphorus	ppm	1293	1165	1193	1338
Barium	ppm	0	0	0	0
Boron	ppm	104	95	101	112

Depot: QUAFOL
 Unique No: 5590873
 Signed: Kevin Marson
 Report Date: 06 Jun 2023



GRAPHS

