

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Transmission (Manual)

Sample No: LH0233939

Oil Type: SAE 10W30



SAMPLE INFORMATION

Sample Number	LH0233939	LH0176021	LH0234005	---
Sample Date	22 Jan 2024	02 Aug 2023	15 Dec 2022	---
Machine Hours	5478	1520	1018	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

WEST CARLETON SAND & GRAVEL INC.
3232 CARP ROAD
CARP, ON
CA K0A 1L0
Contact: Troy Whalen
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F:



OIL CONDITION

Visc @ 40°C	cSt	47.0	38.7	44.4	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	8	4	---
Sodium	ppm	5	6	1	---
Potassium	ppm	<1	<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 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	35	10	4	---
Copper	ppm	28	1	2	---
Lead	ppm	1	0	5	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	36	<1	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1999	3704	1320	---
Magnesium	ppm	550	12	10	---
Zinc	ppm	1121	1508	677	---
Phosphorus	ppm	1013	1299	652	---
Barium	ppm	<1	0	0	---
Boron	ppm	6	108	2	---

Depot: WES654STI
Unique No: 5723189
Signed: Kevin Marson
Report Date: 08 Feb 2024



GRAPHS

