

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Transmission (Manual)

Sample No: LH0123031

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0123031	LH0202956	LH0215984	LH0121121
Sample Date	26 Oct 2023	22 Jun 2023	11 Nov 2021	12 Jan 2018
Machine Hours	12421	12090	11462	9467
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

American Iron and Metal
 2555 Sheffield Road
 Ottawa, ON
 CA K1B 3V6
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OIL CONDITION

Visc @ 40°C	cSt	71.8	78.3	81.8	68.2
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CONTAMINATION

Silicon	ppm	3	4	2	4
Sodium	ppm	3	3	5	4
Potassium	ppm	0	0	1	0

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 condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	8	7	9	11
Copper	ppm	13	9	22	16
Lead	ppm	<1	<1	2	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	42	40	14	29
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	1	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	824	805	435	1741
Magnesium	ppm	674	662	216	468
Zinc	ppm	882	874	413	1220
Phosphorus	ppm	1113	1112	1320	1074
Barium	ppm	<1	0	0	<1
Boron	ppm	66	64	170	2

Depot: BAKOTT
 Unique No: 5670459
 Signed: Kevin Marson
 Report Date: 02 Nov 2023



GRAPHS

