

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Transmission

Sample No: LH0292220

Oil Type: PETRO CANADA 10W40



Sample Information

Sample Number	LH0292220	LH0270061	LH0235493	LH0133033
Sample Date	26 Jun 2024	14 Jul 2023	27 Jun 2022	24 Oct 2018
Machine Hours	17524	16930	0	14295
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

American Iron and Metal

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MONTREAL, QC
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Oil Condition

Visc @ 40°C	cSt	70.6	56.0	41.8	35.9
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	5	5
Sodium	ppm	7	21	40	69
Potassium	ppm	0	<1	<1	<1



Wear Metals

Iron	ppm	8	16	26	39
Copper	ppm	4	10	20	27
Lead	ppm	0	<1	1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	2	3	5
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	47	60	65	62
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	2	4	6
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	935	1393	1720	2074
Magnesium	ppm	671	684	455	15
Zinc	ppm	882	1068	1024	807
Phosphorus	ppm	1014	1005	919	760
Barium	ppm	0	0	0	<1
Boron	ppm	80	57	110	200

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.

Depot: AMEMON
Unique No: 5802831
Signed: Kevin Marson
Report Date: 04 Jul 2024



Graphs

