

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Transmission (Manual)

Sample No: LH0255632

Oil Type: PETRO CANADA PRODURO TO-4 SYNTHETIC ALL SEASON



GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE NW
 EDMONTON, AB
 CA T6B 3H3
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Sample Information

Sample Number	LH0255632	LH0255620	LH0255608	---
Sample Date	21 Feb 2024	25 Nov 2023	26 Jun 2023	---
Machine Hours	3170	2400	1036	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	49.7	49.0	52.2	---
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Contamination

Water	%	NEG	0.030	NEG	---
Silicon	ppm	3	5	4	---
Sodium	ppm	4	6	23	---
Potassium	ppm	<1	0	2	---



Wear Metals

Iron	ppm	9	10	10	---
Copper	ppm	7	8	14	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	1	---
Manganese	ppm	4	4	8	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	3211	3325	3023	---
Magnesium	ppm	12	9	7	---
Zinc	ppm	946	998	980	---
Phosphorus	ppm	876	887	1010	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	10	7	17	---

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 fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

Depot: GEN156EDM
Unique No: 5776475
Signed: Kevin Marson
Report Date: 14 May 2024



Graphs

