

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144157-1216 - Transmission (Manual)

Sample No: LH0255457

Oil Type: TDTO FLUID SAE 10W



**CALGARY METALS (1985) LTD.**  
 3415 OGDEN RD. SE.  
 CALGARY, AB  
 CA T2G 4N4  
 Contact: Steve Goodzeck  
 sgoodzeck@calgarymetal.com  
 T: (403)262-4542  
 F:



#### Sample Information

Sample Number	LH0255457	LH0255445	---	---
Sample Date	21 Jun 2024	17 Nov 2023	---	---
Machine Hours	3338	2077	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	44.8	45.4	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	40	39	---	---
Potassium	ppm	4	4	---	---



#### Wear Metals

Iron	ppm	33	27	---	---
Copper	ppm	35	32	---	---
Lead	ppm	1	2	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	3	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	25	28	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	3271	3487	---	---
Magnesium	ppm	9	9	---	---
Zinc	ppm	1158	1179	---	---
Phosphorus	ppm	1039	1094	---	---
Barium	ppm	1	1	---	---
Boron	ppm	5	5	---	---

#### 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: CAL341CAL  
 Unique No: 5802211  
 Signed: Wes Davis  
 Report Date: 02 Jul 2024



### Graphs

