

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 100676 - Transmission

Sample No: LH0280923

Oil Type: SAE 15W40



**R J MACISAAC CONSTRUCTION LTD**  
 70 WEST ST, SUITE #1  
 ANTIGONISH, NS  
 CA B2G 2X7  
 Contact: Service Manager  
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#### SAMPLE INFORMATION

Sample Number	LH0280923	LH0260316	LH0230425	---
Sample Date	08 Feb 2024	01 Jun 2023	24 Jul 2022	---
Machine Hours	0	0	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	71.1	64.5	66.2	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	5	5	---
Sodium	ppm	2	2	3	---
Potassium	ppm	1	0	2	---



#### WEAR METALS

Iron	ppm	24	20	16	---
Copper	ppm	5	6	5	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	47	37	8	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	3	2	---
Vanadium	ppm	0	0	<1	---



#### ADDITIVES

Calcium	ppm	1280	1500	1700	---
Magnesium	ppm	899	855	630	---
Zinc	ppm	1105	1052	819	---
Phosphorus	ppm	1046	1095	860	---
Barium	ppm	0	0	0	---
Boron	ppm	52	80	161	---

#### 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 30 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: RJMANT  
 Unique No: 5723788  
 Signed: Kevin Marson  
 Report Date: 12 Feb 2024



### GRAPHS

