

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 100676 - Rear Differential

Sample No: LH0280919

Oil Type: SAE 75W90



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	LH0280919	LH0260312	LH0230426	---
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	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	149	159	159	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	2	<1	---
Sodium	ppm	2	3	2	---
Potassium	ppm	<1	<1	<1	---



WEAR METALS

Iron	ppm	55	63	2	---
Copper	ppm	5	5	2	---
Lead	ppm	<1	0	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	27	35	16	---
Magnesium	ppm	8	9	1	---
Zinc	ppm	16	18	58	---
Phosphorus	ppm	2023	2293	2162	---
Barium	ppm	<1	0	0	---
Boron	ppm	67	43	<1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RJMANT
 Unique No: 5723847
 Signed: Wes Davis
 Report Date: 12 Feb 2024



GRAPHS

