

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 100676 - Front Left Planetary

Sample No: LH0280921

Oil Type: GEAR OIL SAE 75W90



R J MACISAAC CONSTRUCTION LTD
 70 WEST ST, SUITE #1
 ANTIGONISH, NS
 CA B2G 2X7
 Contact: Service Manager
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 F: (902)863-0113



SAMPLE INFORMATION

Sample Number	LH0280921	LH0260311	LH0230424	---
Sample Date	08 Feb 2024	01 Jun 2023	24 Jul 2022	---
Machine Hours	18585	0	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	117	128	169	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	18	24	---
Sodium	ppm	5	7	10	---
Potassium	ppm	2	2	2	---



WEAR METALS

Iron	ppm	290	280	328	---
Copper	ppm	57	60	40	---
Lead	ppm	2	2	3	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	6	6	9	---
Chromium	ppm	2	2	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	0	<1	1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	5	6	7	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	49	61	87	---
Magnesium	ppm	7	9	14	---
Zinc	ppm	35	32	39	---
Phosphorus	ppm	1583	1915	2295	---
Barium	ppm	0	0	<1	---
Boron	ppm	102	35	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: 5723844
 Signed: Wes Davis
 Report Date: 12 Feb 2024



GRAPHS

