

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 100676 - Swing Drive

Sample No: LH0280917

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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 T: (902)863-6950
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SAMPLE INFORMATION

Sample Number	LH0280917	LH0260316	LH0230421	---
Sample Date	08 Feb 2024	01 Jun 2023	24 Jul 2022	---
Machine Hours	18585	0	0	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	SEVERE	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	104	108	172	---
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CONTAMINATION

Water	%	1.690	0.852	NEG	---
Silicon	ppm	4	3	<1	---
Sodium	ppm	1	1	2	---
Potassium	ppm	<1	0	0	---



WEAR METALS

Iron	ppm	710	335	33	---
Copper	ppm	59	64	19	---
Lead	ppm	2	2	<1	---
Tin	ppm	1	2	1	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	5	2	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	3	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	11	20	11	---
Magnesium	ppm	2	4	9	---
Zinc	ppm	14	18	8	---
Phosphorus	ppm	1259	1451	2238	---
Barium	ppm	0	0	0	---
Boron	ppm	108	99	6	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: RJMANT
Unique No: 5723846
Signed: Kevin Marson
Report Date: 13 Feb 2024



GRAPHS

