

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 065053-1007 - Transmission (Manual)

Sample No: LH0274021
 Oil Type: IRVING 15W40



CHALEUR SAWMILLS L.P.
 1921 MAIN STREET
 BELLEDUNE, NB
 CA E8G 2H8
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SAMPLE INFORMATION

Sample Number	LH0274021	LH0195011	LH	LH0175375
Sample Date	11 Dec 2023	24 May 2022	16 Feb 2021	15 Sep 2020
Machine Hours	30900	29700	28727	27771
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	65.4	68.5	68.3	68.3
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CONTAMINATION

Water	%	NEG	NEG	0.047	NEG
Silicon	ppm	12	16	14	8
Sodium	ppm	4	1	1	<1
Potassium	ppm	1	<1	<1	1



WEAR METALS

Iron	ppm	15	14	15	11
Copper	ppm	7	4	4	5
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	3	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	9	8	5	5
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	2092	2142	2126	2225
Magnesium	ppm	83	45	28	27
Zinc	ppm	1127	1150	1171	1168
Phosphorus	ppm	1041	1105	1015	1073
Barium	ppm	0	0	0	<1
Boron	ppm	88	81	77	82

Diagnosis

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Boron ppm levels are abnormally high.

Depot: CHABEL
 Unique No: 5697763
 Signed: Kevin Marson
 Report Date: 21 Dec 2023



GRAPHS

