

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 065053-1007 - Swing Drive

Sample No: LH0274022

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0274022	LH0195010	LH	LH0175378
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	ABNORMAL	SEVERE	NORMAL	NORMAL

CHALEUR SAWMILLS L.P.

1921 MAIN STREET

BELLEDUNE, NB

CA E8G 2H8

Contact: Michael Vienneau

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OIL CONDITION

Visc @ 40°C	cSt	127	139	88.8	127
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CONTAMINATION

Water	%	NEG	1.166	NEG	NEG
Silicon	ppm	2	6	8	4
Sodium	ppm	<1	1	<1	0
Potassium	ppm	1	1	1	1



WEAR METALS

Iron	ppm	539	616	27	384
Copper	ppm	39	46	<1	21
Lead	ppm	1	2	0	<1
Tin	ppm	2	2	0	<1
Aluminum	ppm	<1	2	2	1
Chromium	ppm	3	6	<1	4
Molybdenum	ppm	6	1	<1	1
Nickel	ppm	<1	1	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	1	0	<1
Manganese	ppm	4	6	<1	3
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	67	27	35	40
Magnesium	ppm	9	3	4	3
Zinc	ppm	49	28	114	35
Phosphorus	ppm	1776	1770	1385	1776
Barium	ppm	0	0	0	0
Boron	ppm	276	320	241	271

Diagnosis

Check seals and/or filters for points of contaminant entry. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.

Depot: CHABEL

Unique No: 5697783

Signed: Kevin Marson

Report Date: 21 Dec 2023

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GRAPHS

