

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934C 065053-1007 - Front Differential

Sample No: LH0274017

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



**CHALEUR SAWMILLS L.P.**

1921 MAIN STREET

BELLEDUNE, NB

CA E8G 2H8

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#### SAMPLE INFORMATION

Sample Number	LH0274017	LH0195007	LH	LH0175377
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	128	124	129	130
		●	●	●	●



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● <1	● 2	● 2	● 1
Sodium	ppm	● <1	● 0	● <1	● 0
Potassium	ppm	● <1	● <1	● 1	● 20



#### WEAR METALS

Iron	ppm	● 5	● 7	● 6	● 5
Copper	ppm	● 1	● 1	● <1	● 2
Lead	ppm	● 0	● <1	● <1	● 0
Tin	ppm	● 0	● <1	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 0	● 0	● 0	● <1
Molybdenum	ppm	● 1	● 1	● 1	● <1
Nickel	ppm	● <1	● <1	● 0	● <1
Titanium	ppm	0	2	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 0	● 0	● <1	● <1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	● 24	● 24	● 26	● 16
Magnesium	ppm	● 3	● 3	● 3	● 3
Zinc	ppm	● 11	● 16	● 13	● 11
Phosphorus	ppm	● 1724	● 1793	● 1682	● 1782
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	● 310	● 308	● 322	● 346

#### 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: CHABEL

Unique No: 5697778

Signed: Wes Davis

Report Date: 21 Dec 2023



### GRAPHS

