CONSTRUCTION EQUIPMENT

LIEBHERR A934C 065053-1007 - Swing Drive

Sample No: LH0274022

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

SAMPLE INFORMATION LH0274022 LH0195010 Sample Number LH LH0175378 Sample Date 11 Dec 2023 24 May 2022 16 Feb 202 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 **OIL CONDITION** Visc @ 40°C cSt 0 127 88.8 0 139 0 127 CONTAMINATION Water % NEG 0 1.166 NEG NEG Silicon 8 ppm 02 06 4 $\bigcirc 0$ Sodium ◯ <1 01 ○ <1 ppm Potassium ppm 01 01 \bigcirc Õ

WEA	R METALS				
Iron	ppm	539	616	27	384
Copper	ppm	39	0 46	○ <1	21
Lead	ppm	01	02	0	○ <1
Tin	ppm	02	02	0	○ <1
Aluminum	ppm	○ <1	2	2	0 1
Chromium	ppm	3	0 6	○ <1	04
Molybdenum	ppm	6	01	○ <1	01
Nickel	ppm	○ <1	01	0	○ <1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	1	0	<1
Manganese	ppm	04	6	○ <1	3
Vanadium	ppm	0	<1	0	<1

ADDITIVES Calcium ppm 67 27 35 040 03 Magnesium 09 04 3 ppm 28 0 114 0 35 Zinc 0 49 ppm Phosphorus ppm 0 1776 0 1770 0 1385 0 1776 Barium ppm 0 $\bigcirc 0$ $\bigcirc 0$ $\bigcirc 0$ Boron 0 320 ppm 0 276 241 0 271



CHALEUR SAWMILLS L.P.

1921 MAIN STREET BELLEDUNE, NB CA E8G 2H8 Contact: Michael Vienneau michael.vienneau@interfor.com T: (506)522-0225 F: (506)522-5361

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		

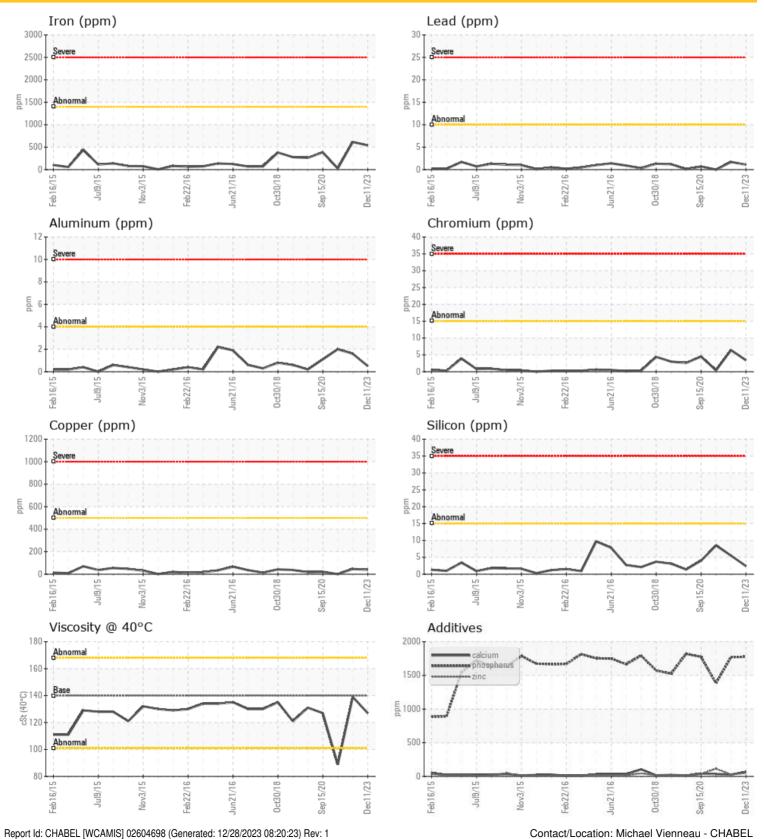
Contact/Location: Michael Vienneau - CHABEL





GRAPHS

 \bigcirc



Contact/Location. Michael Viennea