

LIEBHERR L580 032314 - Front Differential

Sample No: LH

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Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number		LH	LH0208250		
Sample Date		10 Nov 2023	16 Jan 2023		
Machine Hours		15486	14000		
Oil Hours		0	0		
Oil Changed		Not Changd	Not Changd		
Sample Status		NORMAL	NORMAL		
OIL CONDITION					
Visc @ 40°C	cSt	189	0 180		

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**					
Silicon	ppm	04	2		
Sodium	ppm	0 0	01		
Potassium	ppm	0	0		

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WEA	R METALS			
lueu		0.050	0.50	
Iron	ppm	0 252	58	
Copper	ppm	2	○ <1	
Lead	ppm	0	○ <1	
Tin	ppm	0	0	
Aluminum	ppm	01	○ <1	
Chromium	ppm	04	01	
Molybdenum	ppm	0 11	01	
Nickel	ppm	○ <1	○ <1	
Titanium	ppm	0	0	
Silver	ppm	<1	0	
Manganese	ppm	02	◯ <1	
Vanadium	ppm	0	0	

0 **ADDITIVES** Calcium ppm 06 0 Magnesium ppm ○ <1 $\bigcirc 0$ Zinc 04 02 ppm 2450 Phosphorus 0 2309 ppm Barium ppm 0 $\bigcirc 0$ Boron 0 13 ppm ○ <1





HUBERT & FILS

474 ROUTE 105 BOIS-FRANC, QC CA J9E 3A9 Contact: Eric Brisebois ericbrisebois99@gmail.com T: F:

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.

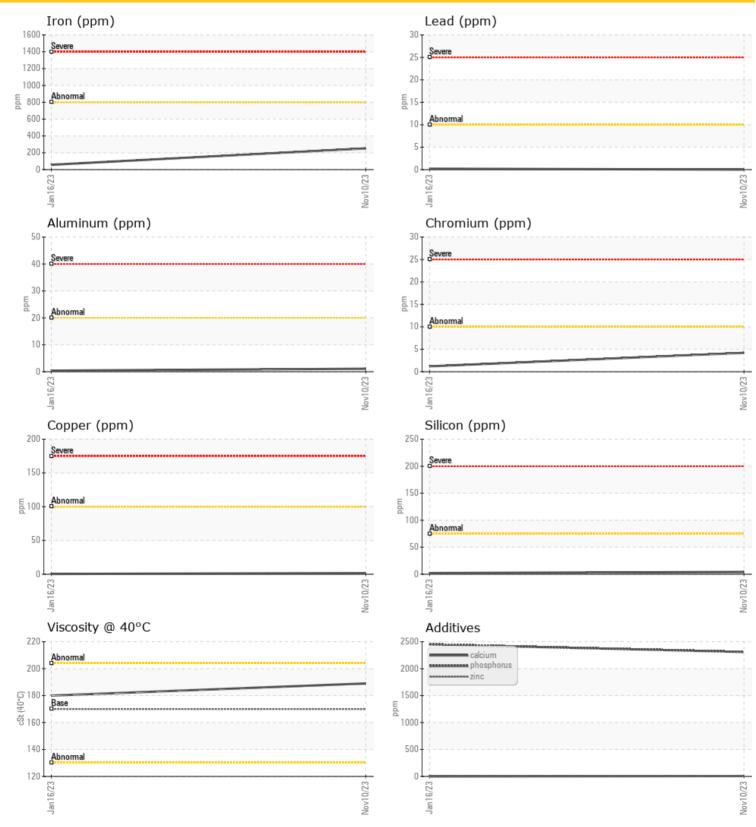
Depot:	HUBBOI
Unique No:	5681737
Signed:	Wes Davis
Report Date:	15 Nov 2023





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