



LIEBHERR L586 068244 - Front Right Wheel Hub

Sample No: LH0288159

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

Sample Number	LH0288159	LH0278522	LH				
Sample Date	25 Apr 2024	22 Dec 2023	15 Sep 2023				
Machine Hours	9033	7142	0				
Oil Hours	0	0	0				
Oil Changed	Changed	Changed	Changed				
Sample Status	NORMAL	NORMAL	NORMAL				
Oil Condition							
Visc @ 40°C cSt	0 179	185	184				

Contamination % Water NEG NEG NEG Silicon 0 $\bigcirc 2$ 03 ppm Sodium 02 02 0 <1 ppm Potassium ppm ○ <1 $\bigcirc 0$

Ä								
Wear Metals								
Iron	ppm	23	◯ 37	20				
Copper	ppm	04	0 4	5				
Lead	ppm	0 (0	◯ <1				
Tin	ppm	0 ()	0	0				
Aluminum	ppm	0 🔘	○ <1	○ <1				
Chromium	ppm	0 ()	○ <1	0				
Molybdenum	ppm	0 🔘	0	0				
Nickel	ppm	0 ()	○ <1	◯ <1				
Titanium	ppm	0	0	0				
Silver	ppm	0	0	<1				
Manganese	ppm	01	2	<1				
Vanadium	ppm	0	0	0				

0 **Additives** Calcium ppm 2 $\bigcirc 5$ ○ <1 Magnesium ppm ○ <1 06 Zinc 04 ppm 0 2317 2195 Phosphorus ppm 0 2314 Barium 0 0 ppm < Boron 02 ppm 04



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Diagnosis

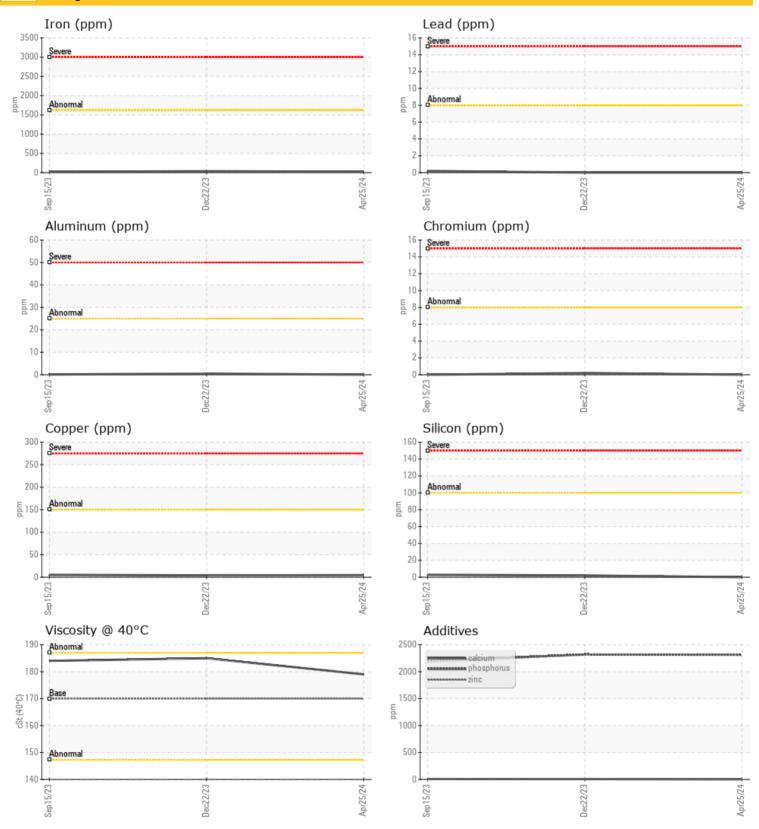
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:MANSELUnique No:5774433Signed:Wes DavisReport Date:03 May 2024Submitted By: Bastian Firmbach





Graphs



Report Id: MANSEL [WCAMIS] 02633280 (Generated: 05/06/2024 08:12:05) Rev: 1