



LIEBHERR L586 068244 - Rear Right Wheel Hub

Sample No: LH0288158

Potassium

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Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Additives

ppm

ppm

ppm

ppm

ppm

ppm

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

nnm

Sample Number	LH0288158	LH0278524	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	183	192	179				

Contamination Water % NEG NEG NEG Silicon $\bigcirc 2$ ppm 0 <1 $\bigcirc 2$ Sodium 0 <1 01 02 ppm

0

2

○ <1

05

0

02

0 2314

Polassium	ррпі	U	\bigcirc <1	\bigcirc 0	
Ä					
	ar Metal:	5			
Iron	ppm	0 17	◯ 34	0 13	
Copper	ppm	04	○ 5	○ 5	
Lead	ppm	0 🔘	0	0	
Tin	ppm	0 🔘	○ <1	0	
Aluminum	ppm	0 🔘	○ <1	0	
Chromium	ppm	0 🔘	○ <1	0	
Molybdenum	ppm	0 🔘	0	0	
Nickel	ppm	○ <1	○ <1	◯ <1	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	<1	
Manganese	ppm	01	2	1	
Vanadium	ppm	0	0	0	

 $\bigcirc 7$

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0 2341

0

○ <1

00

15

19

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2264

Gerdau - Mandak Metal Processors Ltd.,

1 Railway St., P.O. Box 334 Selkirk, MB CA R1A 2B3 Contact: Santiago Giraldo santiago.giraldo@gerdau.com T: F: (204)482-8241

Diagnosis

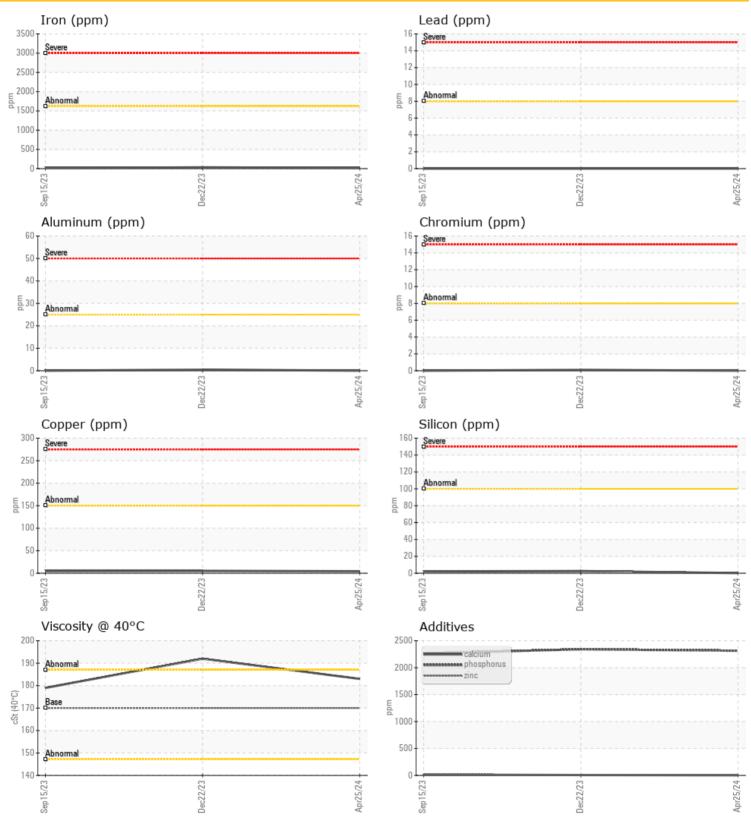
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

MANSEL
5774442
Wes Davis
e: 03 May 2024
nitted By: Bastian Firmbach





Graphs



Report Id: MANSEL [WCAMIS] 02633289 (Generated: 05/06/2024 08:12:40) Rev: 1