

## LIEBHERR LH50 137429 - Splitter Box

Sample No: LH0281411

Oil Type: LIEBHERR GEAR BASIC 90 LS

## **SAMPLE INFORMATION**

Sample Number	LH0281411	LH0274500	LH0247024	LH0251552
Sample Date	07 Dec 2023	20 Aug 2023	11 Jun 2023	11 Apr 2023
Machine Hours	7579	6359	5689	5027
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
	ΓΙΟΝ			
Visc @ 40°C cSt	85.4	88.9	91.9	92.0
- AL				

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 2	0 2	01	02	
Sodium	ppm	<b>○</b> <1	○ <1	○ <1	◯ <1	
Potassium	ppm	0	○ <1	◯ <1	01	

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WEAI	R METALS				
Iron	ppm	8	14	09	0 15
Copper	ppm	<b>○</b> <1	○ <1	○ <1	○ <1
Lead	ppm	0	2	○ <1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<b>○</b> <1	○ <1	0	○ <1
Chromium	ppm	0 ()	○ <1	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	○ <1	○ <1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	6	0
Manganese	ppm	0	0	0	○ <1
Vanadium	ppm	0	0	0	0

0 **ADDITIVES** 31 Calcium ppm 30 18 0 10 01 02 Magnesium ppm 48 Zinc 27 0 15 93 ppm Phosphorus ppm 1136 1350 1388 1425 Barium ppm ◯ <1  $\bigcirc 0$  $\bigcirc 0$  $\bigcirc 0$ Boron 308 289 268 ppm 284





## CMI - COMBINED METAL INDUSTRIES

505 GARY RAY DRIVE NORTH YORK, ON CA M9L 1P9 Contact: Greg Sacher gsacher@combinedmetal.com T: (416)642-7262 F:

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

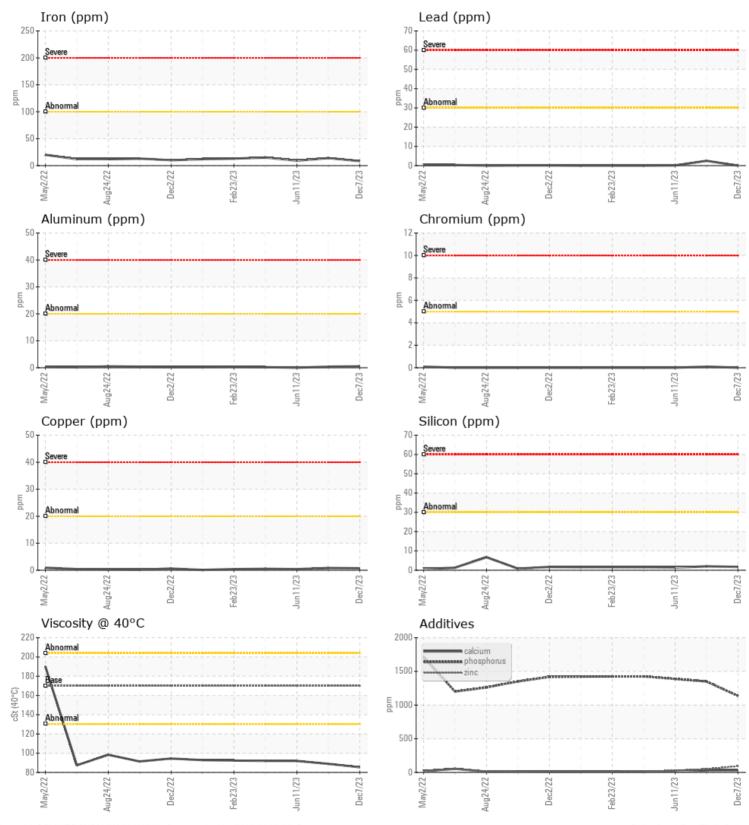
Depot:	COMWES
Unique No:	5694988
Signed:	Kevin Marson
Report Date:	11 Dec 2023





GRAPHS

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Report Id: COMWES [WCAMIS] 02601903 (Generated: 12/11/2023 07:29:28) Rev: 1