

## LIEBHERR LH50 147180 - Swing Drive

0 170

Sample No: LH0287060

Oil Type: GEAR OIL SAE 80W90

## **Sample Information**

Sample Number	LH0287060	 	
Sample Date	16 Apr 2024	 	
Machine Hours	1460	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

**Oil Condition** 

Visc @ 40°C

# cSt

Cont	taminati	ion		
Water	%	NEG	 	
Silicon	ppm	07	 	
Sodium	ppm	0 5	 	
Potassium	ppm	06	 	

Â				
Weg	r Metals			
Iron	ppm	<b>390</b>	 	
Copper	ppm	0 228	 	
Lead	ppm	<mark>0</mark> 6	 	
Tin	ppm	<b>0</b> 30	 	
Aluminum	ppm	02	 	
Chromium	ppm	02	 	
Molybdenum	ppm	0	 	
Nickel	ppm	<b>○</b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	04	 	
Vanadium	ppm	0	 	

0 **Additives** Calcium 21 ppm Magnesium ○ <1 ppm Zinc 0 42 ppm Phosphorus ppm 0 2154 Barium 0 14 ppm Boron 09 ppm





#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Rodgers joseph.rodgers@liebherr.com T: F: (905)319-6622

### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.Lead ppm levels are abnormal. Bearing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

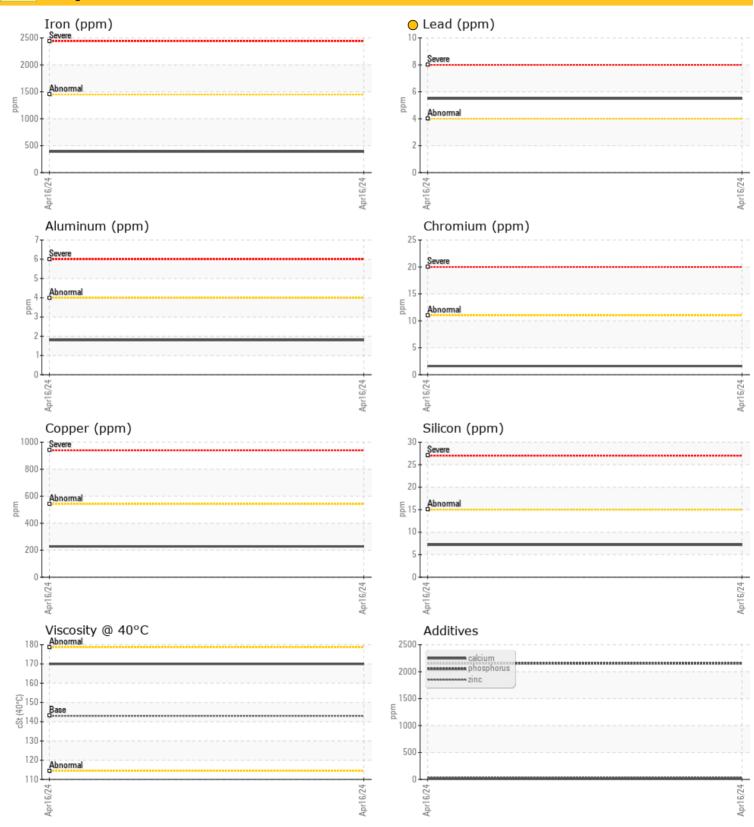
Depot:LIEMISUnique No:5762882Signed:Kevin MarsonReport Date:17 Apr 2024Contact/Location: Joseph Rodgers - LIEMIS





Graphs

 $\odot$ 



Report Id: LIEMIS [WCAMIS] 02629750 (Generated: 04/17/2024 16:45:32) Rev: 1

Contact/Location: Joseph Rodgers - LIEMIS