

LIEBHERR LH50 1216-131191 - Swing Drive

Sample No: LH0227820

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0227820	LH0227808	
Sample Date	12 Oct 2023	08 Feb 2023	
Machine Hours	1905	1117	
Oil Hours	0	0	
Oil Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	

OIL CONDITION Visc @ 40°C cSt 150 152 --

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Silicon	ppm	○ <1	01				
Sodium	ppm	4	0				
Potassium	ppm	3	○ 5				

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WE/	AR METAL	S		
Iron	ppm	650	● 493	
Copper	ppm	0 20	0 15	
Lead	ppm	0 🔘	0	
Tin	ppm	○ <1	0	
Aluminum	ppm	0 🔘	0	
Chromium	ppm	04	03	
Molybdenum	ppm	0 🔘	◯ <1	
Nickel	ppm	○ <1	0	
Titanium	ppm	0	0	
Silver	ppm	2	0	
Manganese	ppm	05	0 4	
Vanadium	maa	0	0	

0 **ADDITIVES** Calcium 0 18 ppm 0 20 02 02 Magnesium ppm Zinc 0 26 0 16 ppm Phosphorus 0 996 0 1010 ppm Barium ppm 0 0 Boron 02 ppm $\bigcirc 5$





KOPPERS RECOVERY RESOURCES

17961 US HIGHWAY 41 L`ANSE, MI US 49946 Contact: Service Manager

T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 KOF

 Unique No:
 1070

 Signed:
 Don

 Report Date:
 21 C

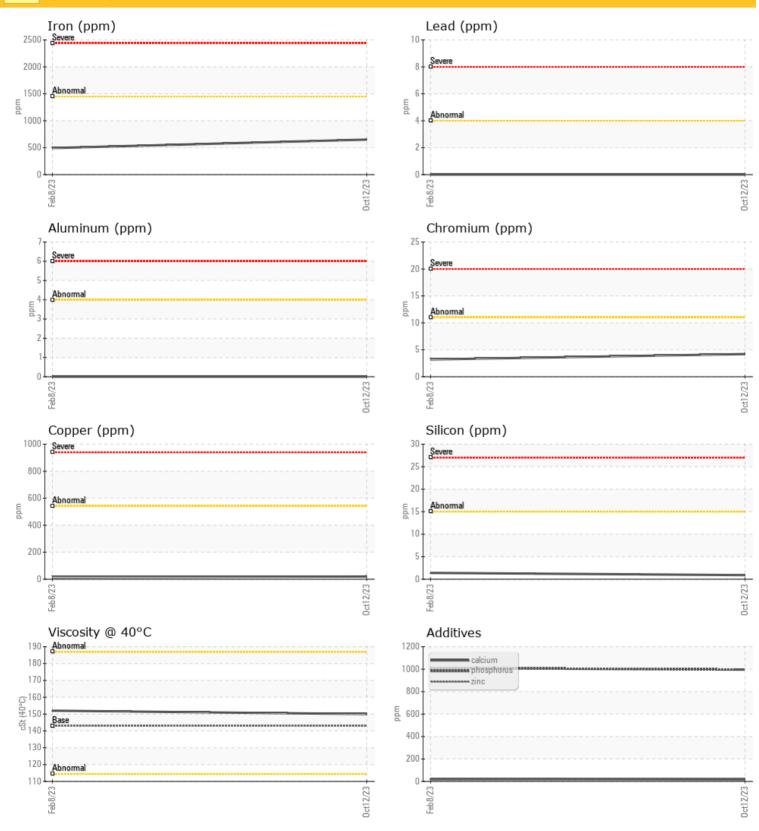
KOPLAN 10701567 Don Baldridge 21 Oct 2023





GRAPHS

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