ŧ 3 H E R R **CONSTRUCTION EQUIPMENT**

LIEBHERR LH50M 138820-1216 - Swing Drive

Sample No: LH0279437

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0279437	LH0260710	LH	
Sample Date	11 Dec 2023	26 May 2023	26 Mar 2023	
Machine Hours	2140	950	524	
Oil Hours	0	0	0	
Oil Changed	N/A	N/A	N/A	
Sample Status	NORMAL	NORMAL	NORMAL	



Visc @ 4

2**4**

IL CO	NDITION
•	0°t

	 -
10°C	cS

NDITION			
cSt	0 177	0 181	0 176

Water	%	NEG	NEG	NEG	
Silicon	ppm	01	0 2	0 14	
Sodium	ppm	0 2	01	0 4	
Potassium	ppm	0	0	01	

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WEA	R META	LS			
Iron	ppm	0 104	98	◯ 499	
Copper	ppm	0 32	○ 50	200	
Lead	ppm	01	0 1	6	
Tin	ppm	02	○ 5	21	
Aluminum	ppm	○ <1	◯ <1	5	
Chromium	ppm	<mark></mark> <1	○ <1	02	
Molybdenum	ppm	0 🔘	0	0	
Nickel	ppm	○ <1	0	◯ <1	
Titanium	ppm	0	0	<1	
Silver	ppm	<1	0	0	
Manganese	ppm	○ <1	○ <1	0 4	
Vanadium	ppm	0	0	0	

ADDITIVES

Calcium	ppm	0 10	0 10	28	
Magnesium	ppm	○ <1	○ <1	○ <1	
Zinc	ppm	24	0 10	0 30	
Phosphorus	ppm	0 2331	2515	2434	
Barium	ppm	○ <1	○ <1	3	
Boron	ppm	03	03	0 11	





D.P. Metal Inc.

373A Chemin Grande-Ligne Saint-Urbain Premier, QC CA JOS 1Y0 Contact: Service .

T: (450)427-0506 F:

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.

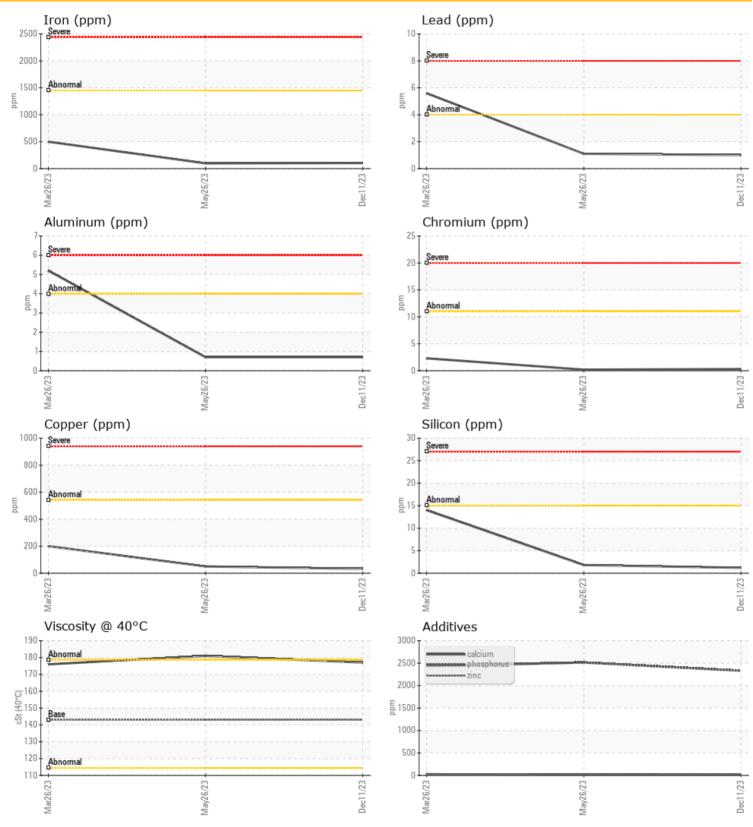
Depot:	DPMSAI
Unique No:	5696979
Signed:	Wes Davis
Report Date:	18 Dec 2023





GRAPHS

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