LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 138820-1216 - Front Differential

Sample No: LH0279435

Oil Type: GEAR OIL SAE 80W90

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SAMPLEINFORMATION						
Sample Number	LH0279435	LH0260709	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			

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OILCO	ONDITION				
Visc @ 40°C	cSt	178		O 184	

CONTAMINATION							
Water	%	NEG	NEG	NEG			
Silicon	ppm	○ <1	0	O 2			
Sodium	ppm	2	02	O 2			
Potassium	ppm	0	O <1	O <1			

RMETALS				
ppm	3	O 1	4	
ppm	15	4	5	
ppm	() <1	O 0	O <1	
ppm	0	O 0	0 0	
ppm	0 <1	O 0	0	
ppm	0	O 0	0 0	
ppm	0	O 0	0	
ppm	0 <1	O 0	0 0	
ppm	0	0	0	
ppm	<1	0	0	
ppm	0	O 0	 <1	
ppm	0	0	0	
	ppm	ppm	ppm 3 1 ppm 15 4 ppm <1	ppm 3 1 4 ppm 15 4 5 ppm <1

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ADDITIVES						
Calcium	ppm	8	4	4		
Magnesium	ppm	0 <1	O <1	O <1		
Zinc	ppm	11	4	O 10		
Phosphorus	ppm	2311	2496	O 1236		
Barium	ppm	0 <1	10	○ 359		
Boron	ppm	() <1	O <1	O 2		



D.P. Metal Inc. 373A Chemin Grande-Ligne Saint-Urbain Premier, QC CA J0S 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.

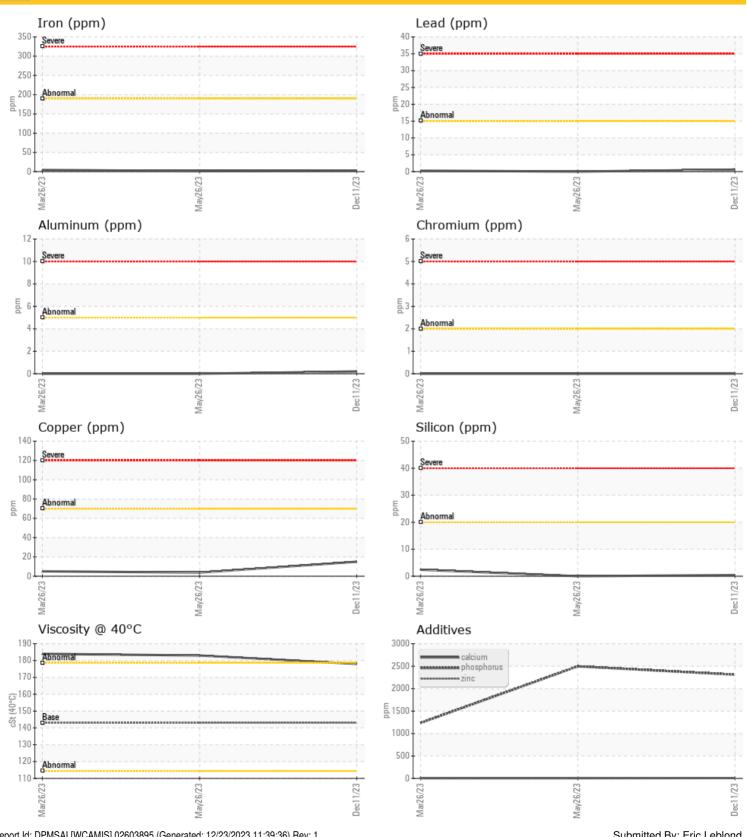
Depot:DPMSAIUnique No:5696980Signed:Wes DavisReport Date:18 Dec 2023







GRAPHS



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Submitted By: Eric Leblond