LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 138820-1216 - Rear Differential

Sample No: LH0279432

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION							
Sample Number	LH0279432	LH0260707	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				

	- 1011010					
0	OIL CO	NDITION				
Visc @	40°C	cSt	177	170	O 142	

CONTAMINATION								
Water	%	NEG	NEG	NEG				
Silicon	ppm	2	02	7				
Sodium	ppm	4	O 2	O 2				
Potassium	ppm	0	O <1	O <1				

WEAR	R METALS				
Iron	ppm	25	O 12	1 7	
Copper	ppm	16	7	10	
Lead	ppm	() <1	0	 <1	
Tin	ppm	0	0	0	
Aluminum	ppm	0 <1	<1 <1	O <1	
Chromium	ppm	0	0	0	
Molybdenum	ppm	0	O <1	O 2	
Nickel	ppm	0 <1	0	 <1	
Titanium	ppm	0	0	0	
Silver	ppm	<1	0	0	
Manganese	ppm	() <1	O <1	 <1	
Vanadium	ppm	0	0	0	

ADDITIVES							
Calcium	ppm	23	O 68	○ 264			
Magnesium	ppm	O <1	O <1	1			
Zinc	ppm	18	O 16	O 52			
Phosphorus	ppm	2313	O 2569	O 1541			
Barium	ppm	() <1	O <1	O <1			
Boron	ppm	3	O 5	10			



D.P. Metal Inc. 373A Chemin Grande-Ligne Saint-Urbain Premier, QC CA J0S 1Y0 Contact: Service .

T: (450)427-0506 F:

Diagnosis

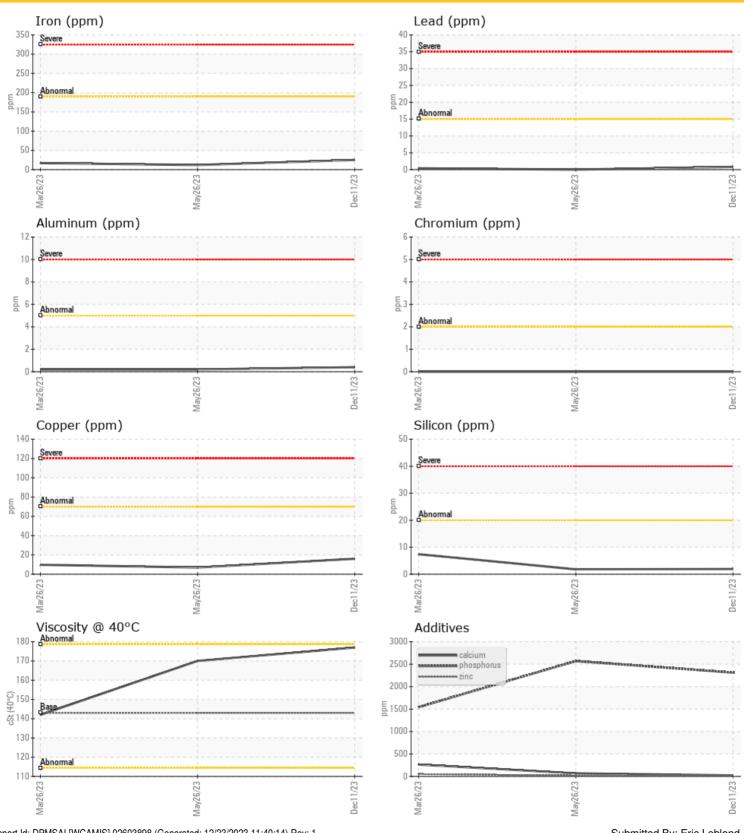
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:DPMSAIUnique No:5696983Signed:Wes DavisReport Date:18 Dec 2023





GRAPHS



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Submitted By: Eric Leblond