LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 138820-1216 - Front Right Wheel Hub

Sample No: LH0279433

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION							
Sample Number	LH0279433	LH0260713	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				

Campi	Otatao		HOIMAL	14011111111	1401111111	
(OIL CO	NDITION				
Visc @	40°C	cSt	172	O 147	O 145	
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CON	TAMINATI	ON			
Water	%	NEG	NEG	NEG	
Silicon	ppm	7	08	O 15	
Sodium	ppm	10	08	4	
Potassium	ppm	0 <1	0 2	0 1	

R METAL	S			
ppm	56	O 34	O 45	
ppm	16	O 14	1 4	
ppm	1	O <1	O <1	
ppm	0	O 0	0	
ppm	2	O 1	O 1	
ppm	○ <1	O <1	O <1	
ppm	0	O <1	O <1	
ppm	0	0	O 0	
ppm	0	<1	<1	
ppm	<1	0	0	
ppm	2	3	3	
ppm	0	0	0	
	ppm	ppm	ppm 56 34 ppm 16 14 ppm 1 <1	ppm 56 34 45 ppm 16 14 14 ppm 1 <1

vanadium	ppm	U	U	U	
ADDI	TIVES				
Calcium	ppm	○ 37	O 94	O 121	
Magnesium	ppm	O <1	O 1	1	
Zinc	ppm	32	O 29	29	
Phosphorus	ppm	2453	3221	1559	
Barium	ppm	() <1	0	0	
Boron	ppm	4	9	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:5696982Signed:Wes DavisReport Date:18 Dec 2023

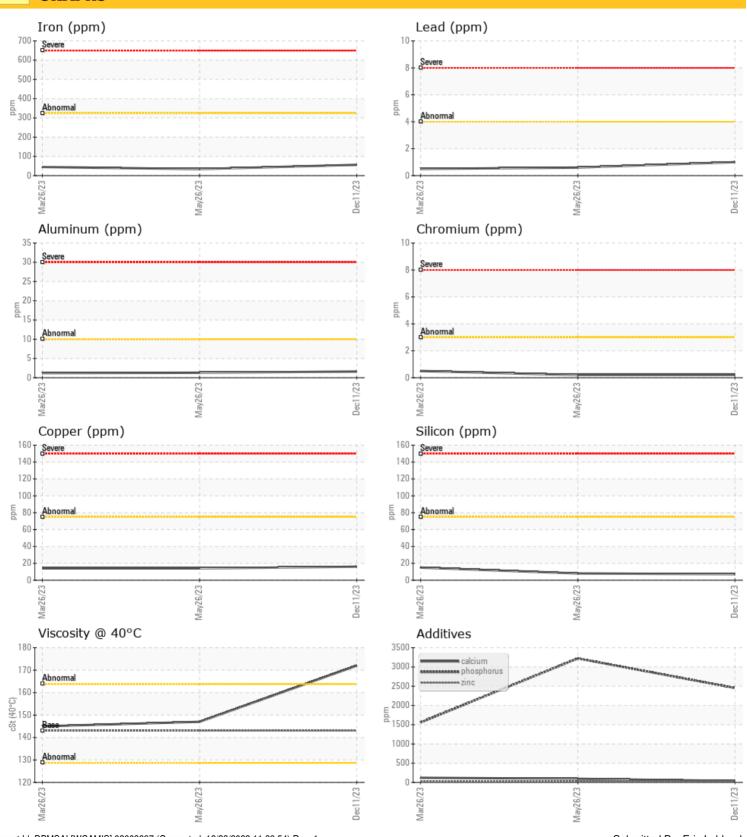
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GRAPHS



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Submitted By: Eric Leblond