

LIEBHERR LH3OM 153712-1253 - Front Right Wheel Hub

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH	 	
Sample Date	14 Dec 2023	 	
Machine Hours	500	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

OIL CONDITION

Visc @ 40°C

cSt 0 64.2

Water	%	NEG		
Silicon	ppm	04		
Sodium	ppm	0 18		
Potassium	ppm	07		

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WEA	R METALS			
Iron	ppm	0 41	 	
Copper	ppm	9	 	
Lead	ppm	○ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	<mark>()</mark> <1	 	
Molybdenum	ppm	0 🔘	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	○ <1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	3639	 	
Magnesium	ppm	09	 	
Zinc	ppm	1430	 	
Phosphorus	ppm	1125	 	
Barium	ppm	01	 	
Boron	ppm	105	 	





Innovation Industrielle Boivin Inc. 2205 de la Fonderie Chicoutimi, QC CA G7H 8B9 Contact: Service Manager

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Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

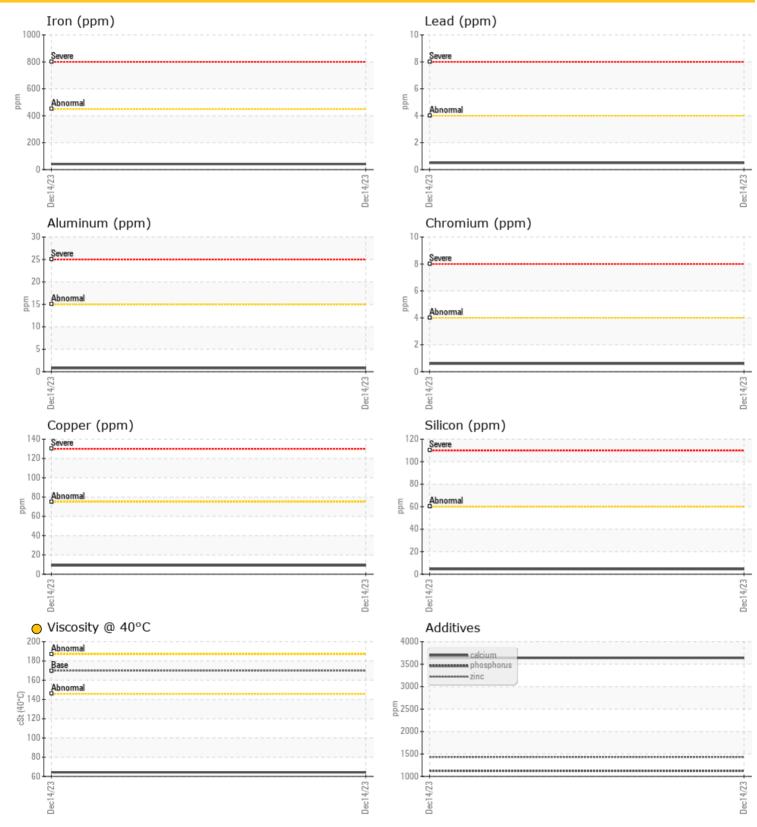
Depot:	INN220CHI
Unique No:	5697001
Signed:	Kevin Marson
Report Date:	19 Dec 2023





GRAPHS

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Submitted By: Marie-Eve Belley