# LIEBHERR

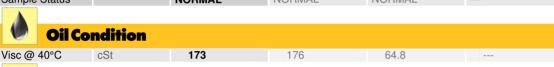
**CONSTRUCTION EQUIPMENT** 

# LIEBHERR LH30 144578-1253 - Rear Left Wheel Hub

Sample No: LH0278714

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90

Sample Information					
Sample Number	LH0278714	LH0278619	LH0250050		
Sample Date	05 Apr 2024	15 Jan 2024	22 Mar 2023		
Machine Hours	1300	1200	498		
Oil Hours	0	0	0		
Oil Changed	Not Changd	Not Changd	Changed		
Sample Status	NORMAL	NORMAL	NORMAL		



Contamination							
Water	%	NEG	NEG	NEG			
Silicon	ppm	<b>2</b>	O 2	0 8			
Sodium	ppm	<b>5</b>	<b>4</b>	<b>17</b>			
Potassium	ppm	<b>○</b> <1	O 0	<b>1</b>			

(O) Was					
Wee	ar Metals				
Iron	ppm	<b>22</b>	O 20	<b>10</b>	
Copper	ppm	<b>3</b>	O 2	<b>3</b>	
Lead	ppm	<b>0</b>	0	<1	
Tin	ppm	0	0	0	
Aluminum	ppm	<b>0</b>	O <1	<1	
Chromium	ppm	<b>0</b>	O <1	<1	
Molybdenum	ppm	<b>0</b>	0	0	
Nickel	ppm	<b>O</b> <1	O <1	<1	
Titanium	ppm	0	0	<1	
Silver	ppm	0	0	0	
Manganese	ppm	<b>1</b>	<b></b> <1	2	
Vanadium	ppm	0	0	0	

Addi	tives				
Calcium	ppm	395	381	1948	
Magnesium	ppm	<b>2</b>	O 2	11	
Zinc	ppm	<b>157</b>	155	1240	
Phosphorus	ppm	2129	2202	1168	
Barium	ppm	<b></b> <1	O 0	<1	
Boron	ppm	8	8	94	



## Industrial Metals 550 Messier St. Winnipeg, MB CA R2J 0G5

Contact: Service Manager

T: F:

### 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. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot:IND550WINUnique No:5763827Signed:Kevin MarsonReport Date:23 Apr 2024

CONSTRUCTION EQUIPMENT





# **Graphs**

