

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 144578-1253 - Rear Differential

Sample No: LH0278717

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### Sample Information

Sample Number	LH0278717	LH0278614	LH0250052	---
Sample Date	05 Apr 2024	15 Jan 2024	22 Mar 2023	---
Machine Hours	1300	1200	498	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	198	173	64.8	---
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	3	8	---
Sodium	ppm	9	4	17	---
Potassium	ppm	<1	0	<1	---

#### 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 90 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.



#### Wear Metals

Iron	ppm	50	21	10	---
Copper	ppm	3	2	3	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	<1	2	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	674	386	2223	---
Magnesium	ppm	3	2	11	---
Zinc	ppm	230	156	1337	---
Phosphorus	ppm	2349	2207	1196	---
Barium	ppm	<1	0	<1	---
Boron	ppm	11	8	95	---

Depot: IND550WIN  
Unique No: 5763825  
Signed: Kevin Marson  
Report Date: 23 Apr 2024



### Graphs

