

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 036436 - Front Differential

Sample No: LH00090434

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH00090434	LH0098770	LH0145598	---
Sample Date	21 Mar 2024	10 Dec 2021	07 Jun 2019	---
Machine Hours	7312	6471	0	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**McCain Farms**  
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Bath, NB  
CA E7J 2N2  
Contact: Nathan  
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T: (506)278-5753  
F:



#### Oil Condition

Visc @ 40°C	cSt	167	169	89.1	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	6	2	---
Sodium	ppm	3	3	<1	---
Potassium	ppm	<1	2	<1	---



#### Wear Metals

Iron	ppm	298	221	122	---
Copper	ppm	6	4	3	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	3	4	1	---
Chromium	ppm	2	2	<1	---
Molybdenum	ppm	14	12	6	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	1	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	20	15	12	---
Magnesium	ppm	<1	2	2	---
Zinc	ppm	15	11	7	---
Phosphorus	ppm	2172	2301	2208	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	62	63	291	---

#### 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. The condition of the oil is acceptable for the time in service.

**Depot:** MCCBAT  
**Unique No:** 5749883  
**Signed:** Wes Davis  
**Report Date:** 26 Mar 2024

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### Graphs

