

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(351064)] 122398-1216 - Front Differential

Sample No: LH0281249

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0281249	LH0202597	---	---
Sample Date	07 Feb 2024	20 Oct 2021	---	---
Machine Hours	5387	584	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

#### American Iron and Metal

75 Steel City Court  
Hamilton, ON  
CA L8H 3Y2  
Contact: Heavy Equipment  
hamiltonmobileassetmaintenance@aim-recycling.com  
T: (905)547-5533  
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#### OIL CONDITION

Visc @ 40°C	cSt	194	● 185	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 2	● 3	---	---
Sodium	ppm	● <1	● 4	---	---
Potassium	ppm	● 0	● <1	---	---



#### WEAR METALS

Iron	ppm	● 3	● 8	---	---
Copper	ppm	● 3	● 21	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	● 0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 3	● 5	---	---
Magnesium	ppm	● 1	● <1	---	---
Zinc	ppm	● 5	● 15	---	---
Phosphorus	ppm	2310	● 1189	---	---
Barium	ppm	● 0	● 352	---	---
Boron	ppm	4	● 2	---	---

#### 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: AMEHAM  
Unique No: 5736470  
Signed: Wes Davis  
Report Date: 01 Mar 2024



### GRAPHS

