

LIEBHERR

CONSTRUCTION EQUIPMENT



[(351064)] 122398-1216 - Rear Differential

Sample No: LH0281247

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0281247	LH0202596	---	---
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
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OIL CONDITION

Visc @ 40°C	cSt	194	● 148	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 2	● 9	---	---
Sodium	ppm	● <1	● 4	---	---
Potassium	ppm	● <1	● 1	---	---



WEAR METALS

Iron	ppm	● 4	● 17	---	---
Copper	ppm	● 3	● 32	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 2	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	● 0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 3	● 192	---	---
Magnesium	ppm	● 1	● 2	---	---
Zinc	ppm	● 5	● 49	---	---
Phosphorus	ppm	2330	● 2122	---	---
Barium	ppm	● 0	● 1	---	---
Boron	ppm	5	● 9	---	---

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: 5736469
Signed: Wes Davis
Report Date: 01 Mar 2024



GRAPHS

