

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 144578-1253 - Front Differential

Sample No: LH0278613

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0278613	LH0250048	---	---
Sample Date	15 Jan 2024	22 Mar 2023	---	---
Machine Hours	1200	498	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Industrial Metals

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



OIL CONDITION

Visc @ 40°C	cSt	174	● 64.9	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 1	● 10	---	---
Sodium	ppm	● 2	● 17	---	---
Potassium	ppm	● 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. 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.



WEAR METALS

Iron	ppm	● 7	● 6	---	---
Copper	ppm	● 1	● 1	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 176	● 2141	---	---
Magnesium	ppm	● 1	● 11	---	---
Zinc	ppm	● 66	● 1289	---	---
Phosphorus	ppm	2295	● 1198	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	4	● 96	---	---

Depot: IND550WIN
Unique No: 5710128
Signed: Wes Davis
Report Date: 16 Jan 2024



GRAPHS

