

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 144578-1253 - Front Differential

Sample No: LH0278709

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Sample Information

Sample Number	LH0278709	LH0278613	LH0250048	---
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	167	174	64.9	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	0	1	10	---
Sodium	ppm	2	2	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. 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	3	7	6	---
Copper	ppm	1	1	1	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	5	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	156	176	2141	---
Magnesium	ppm	<1	1	11	---
Zinc	ppm	61	66	1289	---
Phosphorus	ppm	2162	2295	1198	---
Barium	ppm	0	0	<1	---
Boron	ppm	4	4	96	---

Depot: IND550WIN
Unique No: 5763828
Signed: Wes Davis
Report Date: 22 Apr 2024



Graphs

