

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 144578-1253 - Front Right Wheel Hub

Sample No: LH0278713

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Sample Information

Sample Number	LH0278713	LH0278637	LH0250053	---
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	138	138	64.8	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	4	5	---
Sodium	ppm	12	11	20	---
Potassium	ppm	<1	<1	<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	83	80	19	---
Copper	ppm	17	14	22	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	929	912	2126	---
Magnesium	ppm	4	3	10	---
Zinc	ppm	385	381	1264	---
Phosphorus	ppm	1931	1948	1162	---
Barium	ppm	<1	0	0	---
Boron	ppm	14	13	90	---

Depot: IND550WIN
Unique No: 5763804
Signed: Kevin Marson
Report Date: 22 Apr 2024



Graphs

