

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 144578-1253 - Rear Right Wheel Hub

Sample No: LH0278711

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Sample Information

Sample Number	LH0278711	LH0278612	LH0250054	---
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	171	176	65.0	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	2	8	---
Sodium	ppm	4	4	18	---
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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	22	22	10	---
Copper	ppm	2	2	3	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<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	1	<1	2	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	378	390	2232	---
Magnesium	ppm	2	2	11	---
Zinc	ppm	150	156	1350	---
Phosphorus	ppm	2106	2191	1220	---
Barium	ppm	<1	0	<1	---
Boron	ppm	8	8	96	---

Depot: IND550WIN
Unique No: 5763826
Signed: Kevin Marson
Report Date: 23 Apr 2024



Graphs

