

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053602-1484 - Rear Right Wheel Hub

Sample No: LH0278837

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
Contact: Keith

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Sample Information

Sample Number	LH0278837	LH0123094	LH0247086	---
Sample Date	11 Jan 2024	13 Oct 2023	30 Nov 2022	---
Machine Hours	7741	7226	5112	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	126	177	162	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	1	6	---
Sodium	ppm	2	<1	2	---
Potassium	ppm	0	0	<1	---



Wear Metals

Iron	ppm	125	29	254	---
Copper	ppm	21	8	71	---
Lead	ppm	<1	<1	2	---
Tin	ppm	1	0	4	---
Aluminum	ppm	2	<1	3	---
Chromium	ppm	<1	0	1	---
Molybdenum	ppm	28	6	2	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	0	4	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	81	37	376	---
Magnesium	ppm	8	<1	8	---
Zinc	ppm	45	19	185	---
Phosphorus	ppm	3488	2323	2312	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	2	2	4	---

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: CAVASH
Unique No: 5710607
Signed: Wes Davis
Report Date: 18 Jan 2024



Graphs

