

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053602-1484 - Rear Left Wheel Hub

Sample No: LH0278838

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	LH0278838	LH0123093	LH0270371	LH0247327
Sample Date	11 Jan 2024	13 Oct 2023	14 Jul 2023	30 Nov 2022
Machine Hours	7741	7226	6154	5112
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	126	177	171	162
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Contamination

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



Wear Metals

Iron	ppm	126	28	88	252
Copper	ppm	21	8	33	70
Lead	ppm	<1	<1	<1	2
Tin	ppm	1	0	1	4
Aluminum	ppm	2	<1	1	3
Chromium	ppm	<1	0	<1	1
Molybdenum	ppm	27	6	2	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	3	0	1	4
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	81	37	119	375
Magnesium	ppm	8	<1	5	7
Zinc	ppm	45	18	71	184
Phosphorus	ppm	3426	2281	2325	2307
Barium	ppm	<1	<1	<1	<1
Boron	ppm	2	2	6	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: 5710605
Signed: Kevin Marson
Report Date: 18 Jan 2024



Graphs

