

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053602-1484 - Front Left Wheel Hub

Sample No: LH0278835

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0278835	LH0237736	LH0270372	LH0247087
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	ABNORMAL

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



Oil Condition

Visc @ 40°C	cSt	106	192	171	166
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T: (613)257-4995
F: (613)253-0071



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	4	7
Sodium	ppm	<1	2	<1	3
Potassium	ppm	2	0	0	0

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

PQ		---	---	---	176
Iron	ppm	241	449	336	697
Copper	ppm	35	64	65	115
Lead	ppm	<1	2	2	2
Tin	ppm	<1	<1	<1	3
Aluminum	ppm	1	1	<1	2
Chromium	ppm	1	3	3	3
Molybdenum	ppm	4	7	16	14
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	2	4	3	8
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	24	30	49	427
Magnesium	ppm	2	2	2	4
Zinc	ppm	36	46	71	211
Phosphorus	ppm	2881	2201	1909	2345
Barium	ppm	0	<1	<1	0
Boron	ppm	71	3	6	5

Depot: CAVASH
Unique No: 5710604
Signed: Kevin Marson
Report Date: 18 Jan 2024



Graphs

