

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 053602-1484 - Front Differential

Sample No: LH0278833

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0278833	LH0237708	LH0270375	LH0247090
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	179	177	166

T: (613)257-4995  
F: (613)253-0071



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	4	6
Sodium	ppm	1	1	1	2
Potassium	ppm	2	0	<1	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

Iron	ppm	239	236	471	674
Copper	ppm	35	23	71	113
Lead	ppm	<1	<1	2	2
Tin	ppm	<1	<1	<1	3
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	1	2	3	3
Molybdenum	ppm	4	4	18	14
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	2	4	5	8
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	24	24	62	421
Magnesium	ppm	2	1	2	4
Zinc	ppm	36	40	74	209
Phosphorus	ppm	2870	2023	2007	2321
Barium	ppm	0	<1	<1	0
Boron	ppm	71	2	6	6

Depot: CAVASH  
Unique No: 5710606  
Signed: Kevin Marson  
Report Date: 18 Jan 2024



### Graphs

