



CONSTRUCTION EQUIPMENT

331624 CITY OF TAMPA VOLVO L180H 5423 - FRONT AXLE



Sample No: VCP394242
Oil Type: VOLVO WB 102
Job No: 331624 CITY OF TAMPA



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP394242	VCP364325	VCP357439	---
Sample Date	15 Aug 2023	11 Aug 2022	05 Apr 2022	---
Machine Hours	8689	5393	4314	---
Oil Hours	2000	500	4314	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	42.5	42.6	40.1	---
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CONTAMINATION

Silicon	ppm	12	12	11	---
Sodium	ppm	4	4	10	---
Potassium	ppm	2	0	1	---



WEAR METALS

Iron	ppm	48	29	110	---
Copper	ppm	0	<1	2	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	2	1	6	---
Molybdenum	ppm	0	1	6	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	2	9	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	4430	4258	4027	---
Magnesium	ppm	19	16	17	---
Zinc	ppm	1672	1720	1609	---
Phosphorus	ppm	1349	1343	1383	---
Barium	ppm	0	0	0	---
Boron	ppm	132	154	116	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10642058
Signed: Wes Davis
Report Date: 11 Sep 2023



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GRAPHS

