



# CONSTRUCTION EQUIPMENT

## CITY OF LAKELAND VOLVO L60H 62236 - TRANSMISSION (AUTO)



**Sample No:** VCP440172  
**Oil Type:** VOLVO AT 102  
**Job No:** CITY OF LAKELAND



### SAMPLE INFORMATION

Sample Number	<b>VCP440172</b>	VCP385834	VCP351118	VCP336940
Sample Date	<b>14 Jun 2024</b>	27 Sep 2022	23 Feb 2022	02 Feb 2022
Machine Hours	<b>3495</b>	2311	1900	1899
Oil Hours	<b>0</b>	0	0	1899
Oil Changed	<b>Not Changd</b>	Not Changd	N/A	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.4</b>	28.2	26.4	26.4
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>▲ 32</b>	▲ 26	■ 11	■ 11
Sodium	ppm	■ 6	■ 4	■ 3	■ 5
Potassium	ppm	■ 3	■ 0	■ 2	■ <1

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>■ 103</b>	■ 59	▲ 234	▲ 242
Copper	ppm	■ 6	■ 3	■ 8	■ 8
Lead	ppm	■ 0	■ 0	■ <1	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	■ <1	■ 1	■ <1	■ 1
Chromium	ppm	■ 0	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 0	■ 2	■ <1	■ <1
Nickel	ppm	■ <1	■ <1	■ 0	■ <1
Titanium	ppm	0	<1	0	0
Silver	ppm	■ 0	■ <1	■ 1	■ 2
Manganese	ppm	■ 3	■ 3	■ 11	■ 11
Vanadium	ppm	0	1	0	0



### ADDITIVES

Calcium	ppm	<b>■ 86</b>	■ 76	■ 80	■ 88
Magnesium	ppm	■ <1	■ 0	■ 2	■ 2
Zinc	ppm	<b>■ 33</b>	■ 15	■ 38	■ 39
Phosphorus	ppm	<b>■ 216</b>	■ 196	■ 157	■ 165
Barium	ppm	■ 0	■ 0	■ <1	■ 0
Boron	ppm	<b>■ 68</b>	■ 79	■ 49	■ 60

**Depot:** VOLVO0093  
**Unique No:** 11090093  
**Signed:** Don Baldrige  
**Report Date:** 24 Jun 2024



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## VOLVO GRAPHS

