



# CONSTRUCTION EQUIPMENT

## SWA350886-10 VOLVO L90H 623485 - FRONT AXLE



**Sample No:** VCP431782  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA350886-10



### SAMPLE INFORMATION

Sample Number	<b>VCP431782</b>	VCP371821	VCP306993	VCP276197
Sample Date	<b>13 Sep 2023</b>	29 Aug 2022	14 Jul 2021	30 Oct 2020
Machine Hours	<b>9867</b>	8077	7138	6128
Oil Hours	<b>0</b>	0	1000	2000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ULSTER COUNTY RESOURCE RECOVERY AGENCY**  
 999 FLATBUSH AVE  
 KINGSTON, NY  
 US 12401  
 Contact: CHARLES WHITTAKER  
 cwhf@ucrra.net  
 T: (845)399-2686  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.4</b>	40.3	40.9	41.5
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### CONTAMINATION

Silicon	ppm	<b>10</b>	12	11	9
Sodium	ppm	<b>6</b>	8	8	5
Potassium	ppm	<b>0</b>	0	1	2

### 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.



### WEAR METALS

Iron	ppm	<b>21</b>	31	15	9
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4141</b>	4015	4041	3526
Magnesium	ppm	<b>5</b>	18	16	7
Zinc	ppm	<b>1646</b>	1560	1567	1490
Phosphorus	ppm	<b>1290</b>	1300	1288	1275
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>136</b>	163	145	92

**Depot:** ULSKIN  
**Unique No:** 10655623  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023



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## VOLVO GRAPHS

