



# CONSTRUCTION EQUIPMENT

## SPM621942 WASTE MGMT VOLVO L90H 624824 - REAR AXLE



**Sample No:** VCP398379  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SPM621942 WASTE MGMT



### SAMPLE INFORMATION

Sample Number	<b>VCP398379</b>	VCP426421	VCP395503	VCP420700
Sample Date	<b>18 Oct 2023</b>	03 Oct 2023	28 Sep 2023	12 Sep 2023
Machine Hours	<b>10540</b>	10193	10002	9830
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.9</b>	41.8	41.7	43.1
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### CONTAMINATION

Silicon	ppm	<b>▲ 90</b>	17	▲ 63	▲ 194
Sodium	ppm	■ <1	2	1	0
Potassium	ppm	■ 0	<1	0	2

**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 oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ <b>57</b>	19	36	85
Copper	ppm	■ <1	1	2	4
Lead	ppm	■ 0	<1	<1	0
Tin	ppm	■ 0	0	<1	<1
Aluminum	ppm	■ 0	<1	1	4
Chromium	ppm	■ 0	<1	<1	<1
Molybdenum	ppm	■ 0	<1	1	2
Nickel	ppm	■ 0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	<1	<1	1
Vanadium	ppm	0	<1	<1	0



### ADDITIVES

Calcium	ppm	■ <b>3237</b>	3301	3321	3837
Magnesium	ppm	■ <b>12</b>	13	19	18
Zinc	ppm	■ <b>1459</b>	1525	1505	1574
Phosphorus	ppm	■ <b>1209</b>	1240	1216	1302
Barium	ppm	■ 0	2	0	0
Boron	ppm	<b>20</b>	26	21	125

**Depot:** VOLVO8885  
**Unique No:** 10738429  
**Signed:** Don Baldrige  
**Report Date:** 14 Nov 2023

**VOLVO** **GRAPHS**

