



# CONSTRUCTION EQUIPMENT

## VOLVO L180H 5717 - REAR AXLE



**Sample No:** VCP451409  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP451409</b>	VCP437725	VCP376058	---
Sample Date	<b>09 Jul 2024</b>	24 Feb 2024	13 Nov 2023	---
Machine Hours	<b>3138</b>	2234	1568	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.6</b>	41.2	40.8	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	10	12	---
Sodium	ppm	<b>5</b>	4	4	---
Potassium	ppm	<b>2</b>	2	2	---

**Diagnosis**  
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>82</b>	34	45	---
Copper	ppm	<b>17</b>	7	10	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	1	---
Chromium	ppm	<b>2</b>	<1	1	---
Molybdenum	ppm	<b>2</b>	0	0	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3609</b>	3576	3638	---
Magnesium	ppm	<b>9</b>	9	10	---
Zinc	ppm	<b>1434</b>	1547	1538	---
Phosphorus	ppm	<b>1245</b>	1349	1339	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>105</b>	118	127	---

**Depot:** VOLVO0090  
**Unique No:** 11116078  
**Signed:** Don Baldrige  
**Report Date:** 12 Jul 2024



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## GRAPHS

