



# CONSTRUCTION EQUIPMENT

## SWO-063645 APAC/MIDS VOLVO L180H 5494 - TRANSMISSION (AUTO)



**Sample No:** VCP424608  
**Oil Type:** DEXRON III  
**Job No:** SWO-063645 APAC/MIDS



### SAMPLE INFORMATION

Sample Number	<b>VCP424608</b>	VCP410191	VCP369491	VCP375639
Sample Date	<b>07 Jul 2023</b>	03 Apr 2023	10 Nov 2022	25 Aug 2022
Machine Hours	<b>3620</b>	3078	2519	3182
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

### COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY  
 BIRMINGHAM, AL  
 US 35217  
 Contact: BRANTLY CLAY  
 bclay@cowin.com  
 T:  
 F: (205)856-2106



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.5</b>	27.4	27.2	27.8
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### CONTAMINATION

Silicon	ppm	<b>9</b>	9	10	10
Sodium	ppm	<b>4</b>	4	4	2
Potassium	ppm	<b>1</b>	2	0	2



### WEAR METALS

Iron	ppm	<b>86</b>	82	67	64
Copper	ppm	<b>10</b>	8	8	8
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	<1	1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	5	4	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>80</b>	87	78	74
Magnesium	ppm	<b>0</b>	8	1	1
Zinc	ppm	<b>17</b>	13	9	14
Phosphorus	ppm	<b>188</b>	191	180	176
Barium	ppm	<b>4</b>	0	2	6
Boron	ppm	<b>61</b>	64	64	79

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO8528  
**Unique No:** 10560401  
**Signed:** Angela Borella  
**Report Date:** 18 Jul 2023



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## GRAPHS

