



# CONSTRUCTION EQUIPMENT

## TUCKER PAVING VOLVO A25G 742081 - BRAKE COOLING SYSTEM



**Sample No:** VCP451181  
**Oil Type:** VOLVO WB 102  
**Job No:** TUCKER PAVING



### SAMPLE INFORMATION

Sample Number	<b>VCP451181</b>	VCP424530	VCP390656	VCP357391
Sample Date	<b>26 Apr 2024</b>	14 Jul 2023	24 Oct 2022	21 Apr 2022
Machine Hours	<b>8996</b>	7964	7007	6063
Oil Hours	<b>0</b>	4000	500	2000
Oil Changed	<b>N/A</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>48.7</b>	51.9	44.2	44.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	12	5	5
Sodium	ppm	<b>1</b>	4	3	1
Potassium	ppm	<b>2</b>	0	0	1

### 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>4</b>	70	12	10
Copper	ppm	<b>52</b>	220	7	7
Lead	ppm	<b>&lt;1</b>	2	2	3
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	3	3
Chromium	ppm	<b>0</b>	1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	4	<1	1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	0	0
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>2159</b>	3382	263	278
Magnesium	ppm	<b>9</b>	10	8	8
Zinc	ppm	<b>1039</b>	1379	469	513
Phosphorus	ppm	<b>868</b>	1183	398	395
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>49</b>	113	5	4

**Depot:** VOLVO0093  
**Unique No:** 11057918  
**Signed:** Don Baldrige  
**Report Date:** 01 Jun 2024

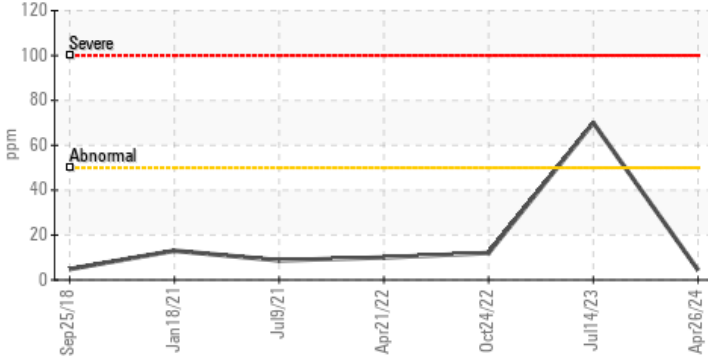


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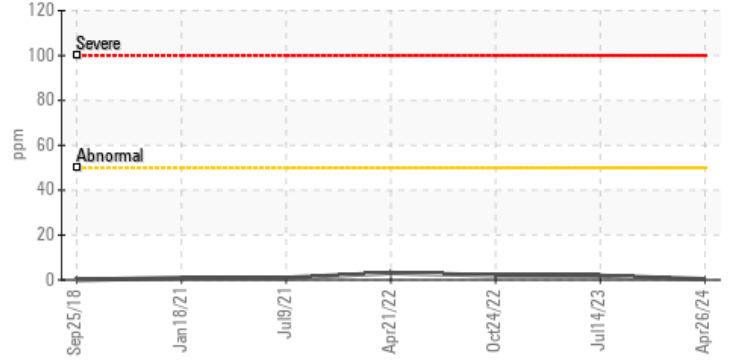


## GRAPHS

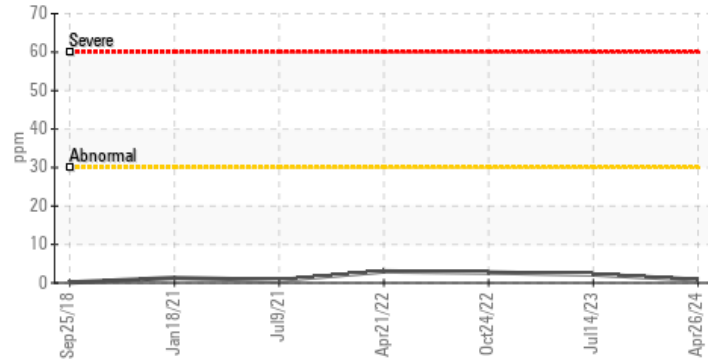
### Iron (ppm)



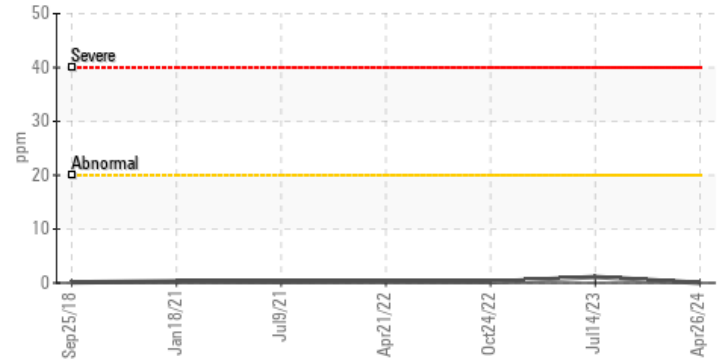
### Lead (ppm)



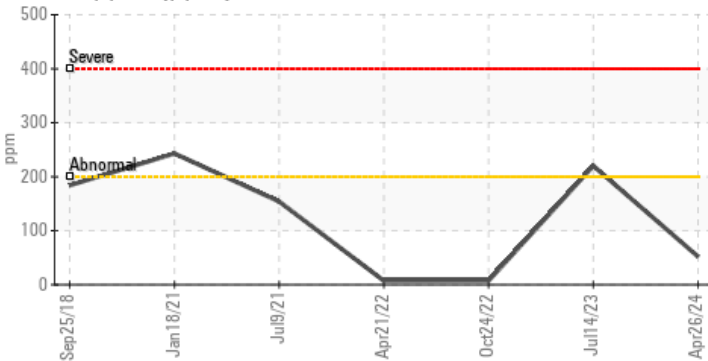
### Aluminum (ppm)



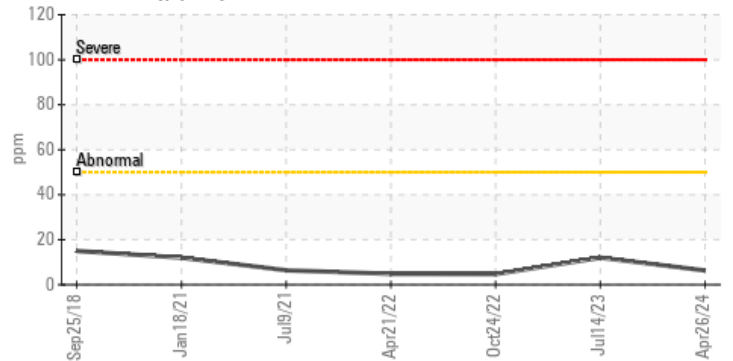
### Chromium (ppm)



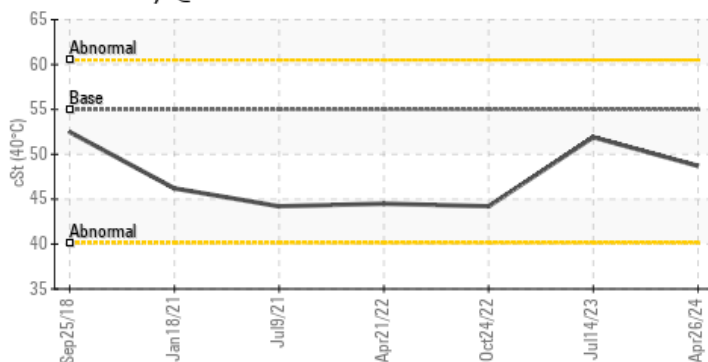
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

