



# CONSTRUCTION EQUIPMENT

701286 PRIMORIS VOLVO A40G 352491 - TRANSMISSION (AUTO)



**Sample No:** VCP438832  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 701286 PRIMORIS



## SAMPLE INFORMATION

Sample Number	<b>VCP438832</b>	VCP414732	VCP393594	VCP392937
Sample Date	<b>18 Apr 2024</b>	22 Sep 2023	25 Apr 2023	06 Dec 2022
Machine Hours	<b>5157</b>	4299	3617	3132
Oil Hours	<b>1000</b>	2000	1000	1000
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>29.5</b>	28.4	27.9	28.1
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	5	5	5
Sodium	ppm	<b>3</b>	0	<1	4
Potassium	ppm	<b>0</b>	3	3	<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 fluid. The condition of the fluid is suitable for further service.



## WEAR METALS

Iron	ppm	<b>26</b>	22	28	24
Copper	ppm	<b>13</b>	25	40	35
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>2</b>	3	4	3
Aluminum	ppm	<b>6</b>	6	12	9
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>2</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	4	6	4
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>77</b>	74	81	79
Magnesium	ppm	<b>2</b>	1	2	0
Zinc	ppm	<b>4</b>	0	4	5
Phosphorus	ppm	<b>210</b>	186	180	188
Barium	ppm	<b>&lt;1</b>	0	0	<1
Boron	ppm	<b>106</b>	92	80	86

**Depot:** VOLVO0093  
**Unique No:** 11047598  
**Signed:** Sean Felton  
**Report Date:** 29 May 2024

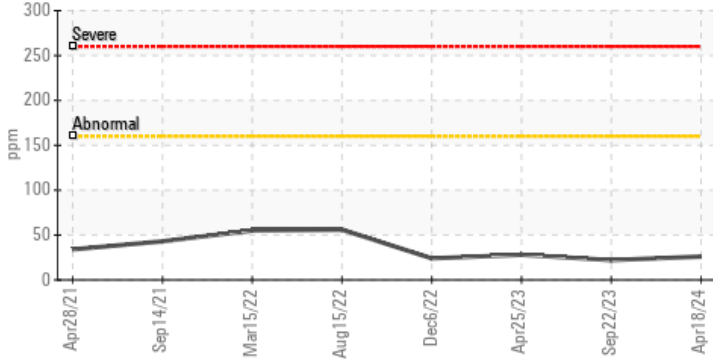


# CONSTRUCTION EQUIPMENT

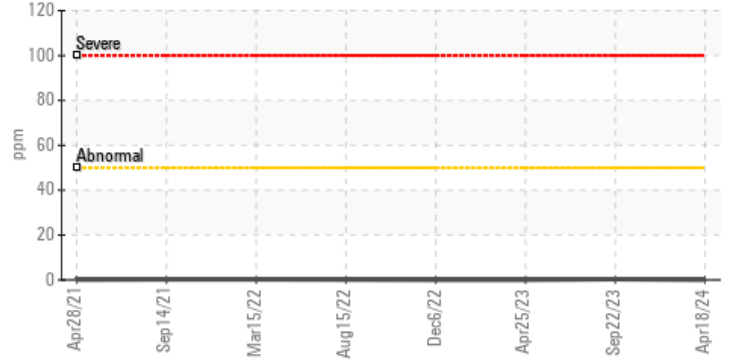


## GRAPHS

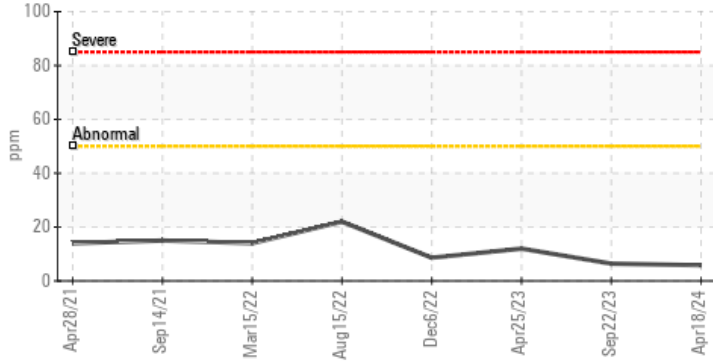
### Iron (ppm)



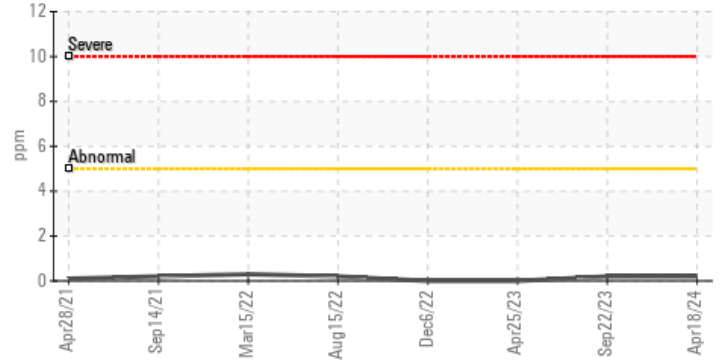
### Lead (ppm)



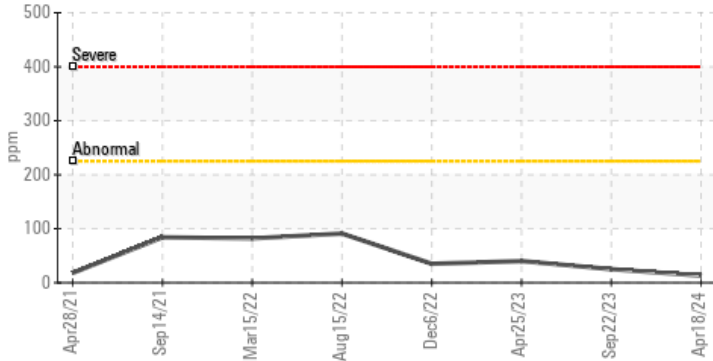
### Aluminum (ppm)



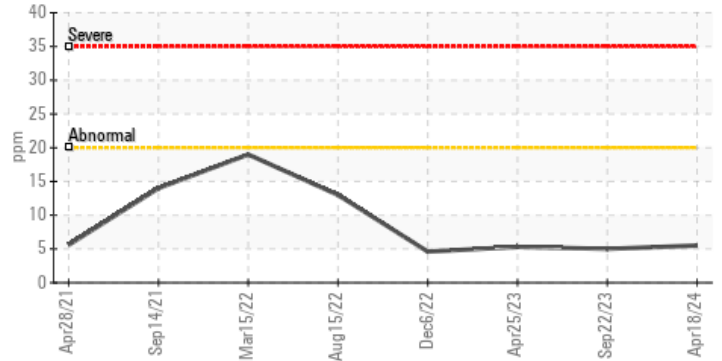
### Chromium (ppm)



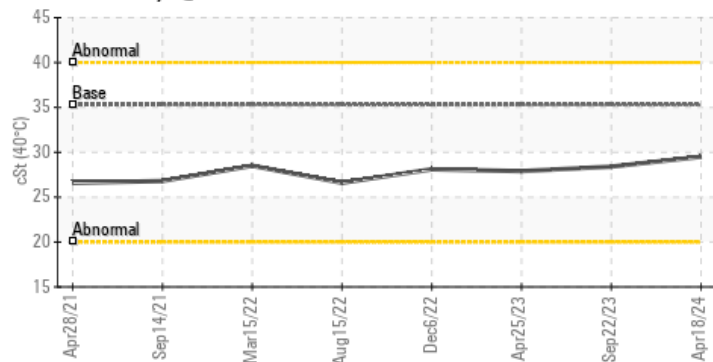
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

