



# CONSTRUCTION EQUIPMENT

## 11848 VOLVO A40G 342316 - TRANSMISSION (AUTO)



**Sample No:** VCP408148

**Oil Type:** VOLVO AT3

**Job No:** 11848



### SAMPLE INFORMATION

Sample Number	<b>VCP408148</b>	VCP411872	VCP335651	VCP308592
Sample Date	<b>05 Jan 2024</b>	06 Jul 2023	09 Sep 2021	20 Apr 2021
Machine Hours	<b>5803</b>	5600	4315	0
Oil Hours	<b>203</b>	1000	2000	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	N/A
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL



### K C CONSTRUCTION

1737 STOUT DRIVE  
IVYLAND, PA  
US 18974

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F: x:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.4</b>	28.4	29.6	29.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	4	5	2
Sodium	ppm	<b>4</b>	3	3	5
Potassium	ppm	<b>1</b>	2	2	<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>19</b>	20	25	22
Copper	ppm	<b>15</b>	16	26	18
Lead	ppm	<b>0</b>	<1	1	0
Tin	ppm	<b>2</b>	2	2	2
Aluminum	ppm	<b>9</b>	10	9	7
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>&lt;1</b>	2	6	6
Nickel	ppm	<b>2</b>	2	2	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>122</b>	143	231	213
Magnesium	ppm	<b>7</b>	8	16	16
Zinc	ppm	<b>23</b>	40	93	91
Phosphorus	ppm	<b>208</b>	216	222	220
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>77</b>	76	62	75

**Depot:** KCCIVY  
**Unique No:** 10822063  
**Signed:** Angela Borella  
**Report Date:** 10 Jan 2024

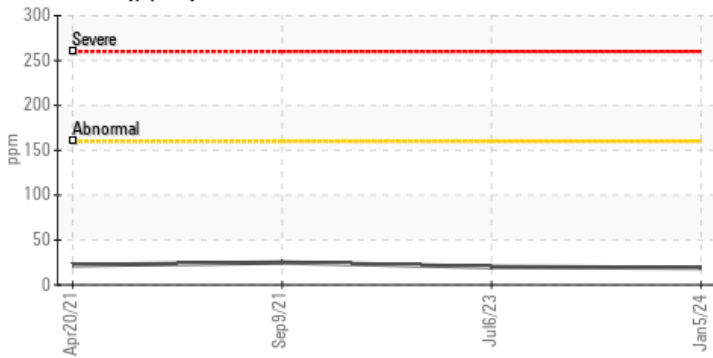


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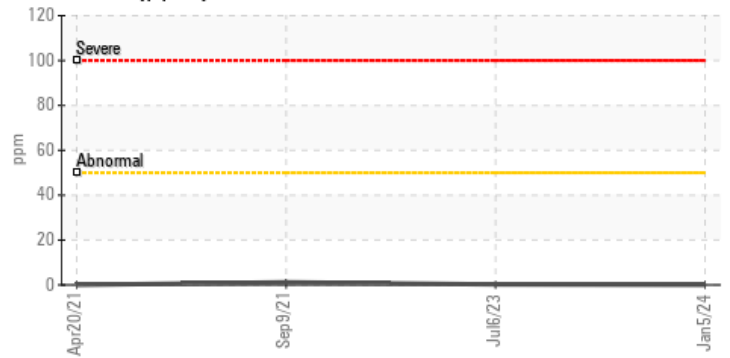


## GRAPHS

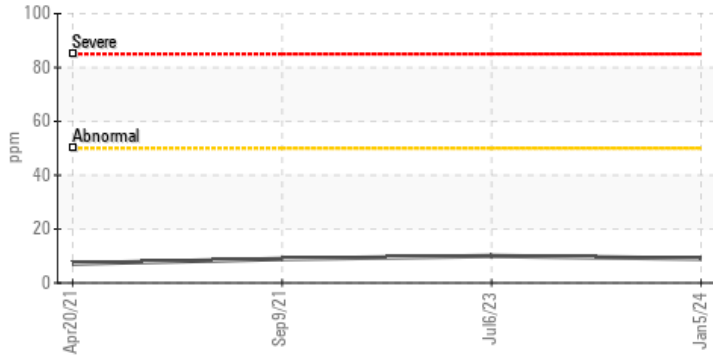
### Iron (ppm)



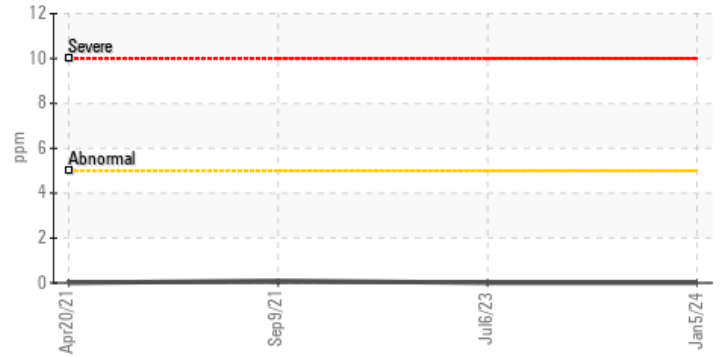
### Lead (ppm)



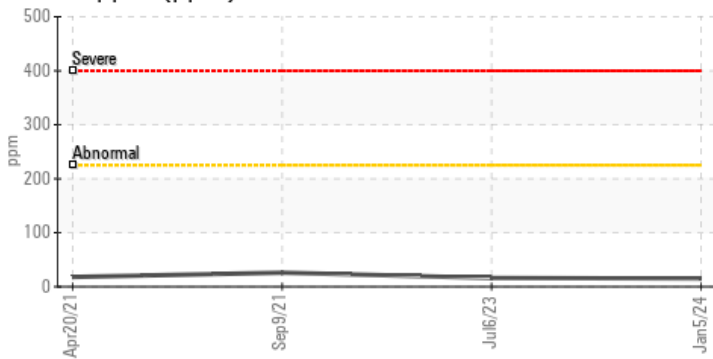
### Aluminum (ppm)



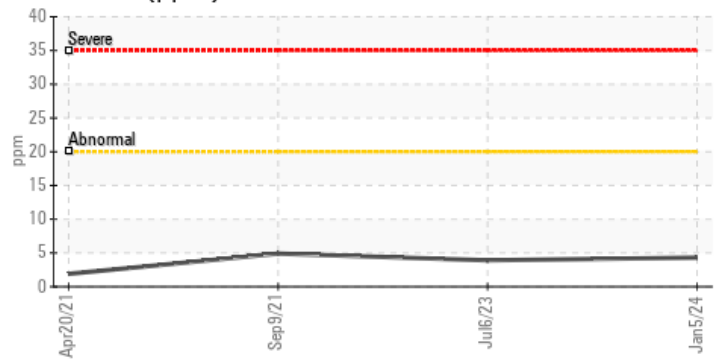
### Chromium (ppm)



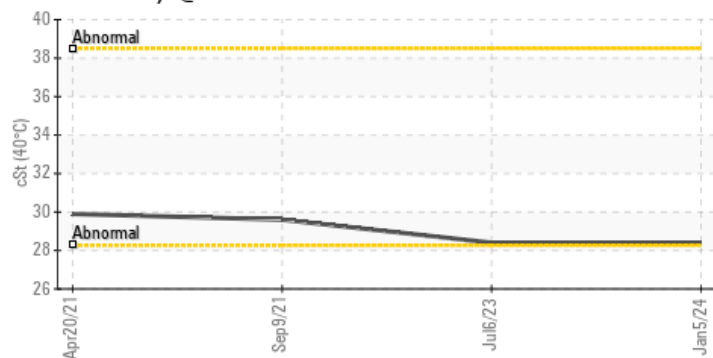
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

