



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352025 - WET DISC BRAKE



**Sample No:** VCP378560  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP378560</b>	VCP329502	VCP405666	VCP400110
Sample Date	<b>14 Feb 2024</b>	06 Nov 2023	21 Aug 2023	30 May 2023
Machine Hours	<b>10331</b>	9810	9271	8804
Oil Hours	<b>2078</b>	1557	1021	551
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>50.7</b>	50.8	51.1	54.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	17	16	17
Sodium	ppm	<b>4</b>	5	3	4
Potassium	ppm	<b>&lt;1</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>18</b>	14	12	12
Copper	ppm	<b>43</b>	40	31	27
Lead	ppm	<b>1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	0	<1
Nickel	ppm	<b>2</b>	1	1	1
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>3477</b>	3382	3369	3463
Magnesium	ppm	<b>19</b>	16	19	19
Zinc	ppm	<b>1436</b>	1441	1364	1489
Phosphorus	ppm	<b>1115</b>	1174	1090	1165
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>112</b>	115	131	127

**Depot:** SCHGRE  
**Unique No:** 10898628  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024

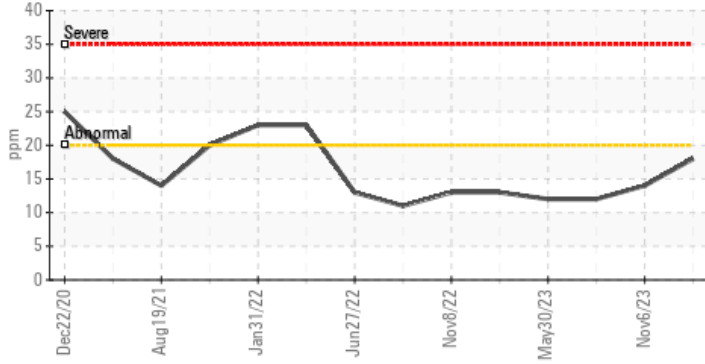


# CONSTRUCTION EQUIPMENT

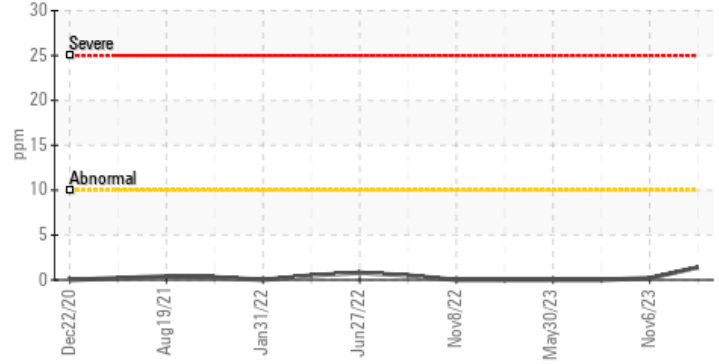


## VOLVO GRAPHS

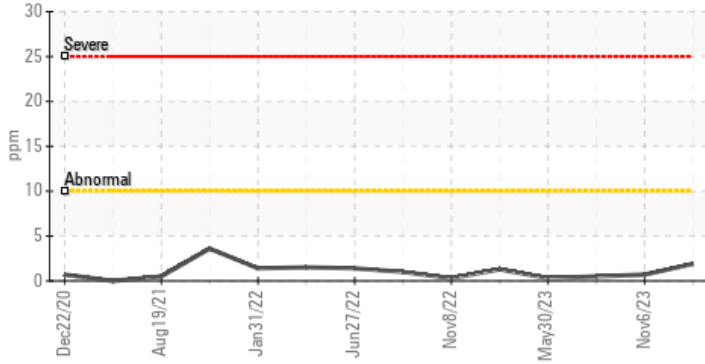
### Iron (ppm)



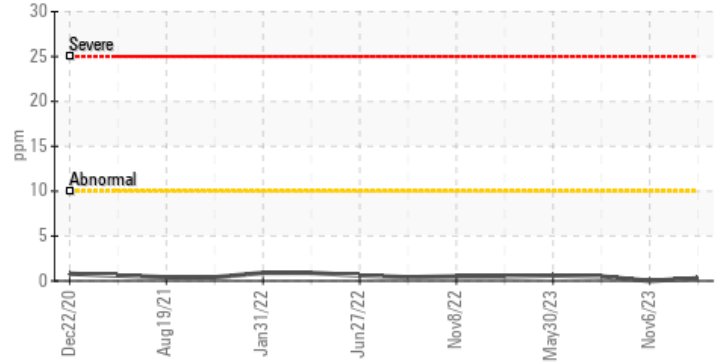
### Lead (ppm)



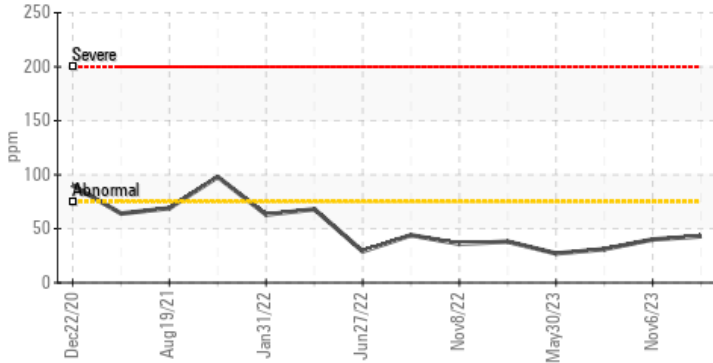
### Aluminum (ppm)



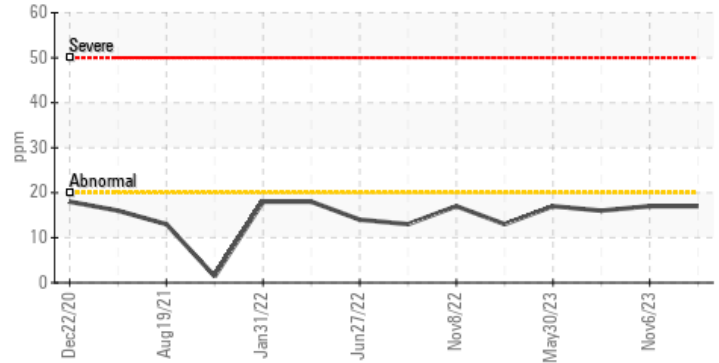
### Chromium (ppm)



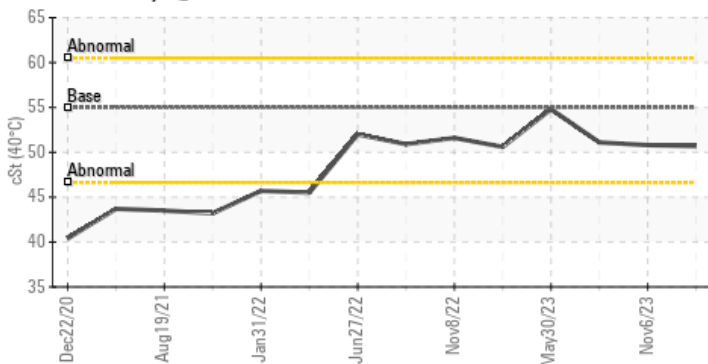
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

