



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352025 - WET DISC BRAKE



**Sample No:** VCP329502  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP329502</b>	VCP405666	VCP400110	VCP385243
Sample Date	<b>06 Nov 2023</b>	21 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	<b>9810</b>	9271	8804	8253
Oil Hours	<b>1557</b>	1021	551	1041
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>50.8</b>	51.1	54.8	50.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	16	17	13
Sodium	ppm	<b>5</b>	3	4	5
Potassium	ppm	<b>0</b>	0	<1	0

### 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>14</b>	12	12	13
Copper	ppm	<b>40</b>	31	27	38
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>1</b>	1	1	2
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>3382</b>	3369	3463	3504
Magnesium	ppm	<b>16</b>	19	19	19
Zinc	ppm	<b>1441</b>	1364	1489	1437
Phosphorus	ppm	<b>1174</b>	1090	1165	1159
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>115</b>	131	127	117

**Depot:** SCHGRE  
**Unique No:** 10755947  
**Signed:** Sean Felton  
**Report Date:** 28 Nov 2023

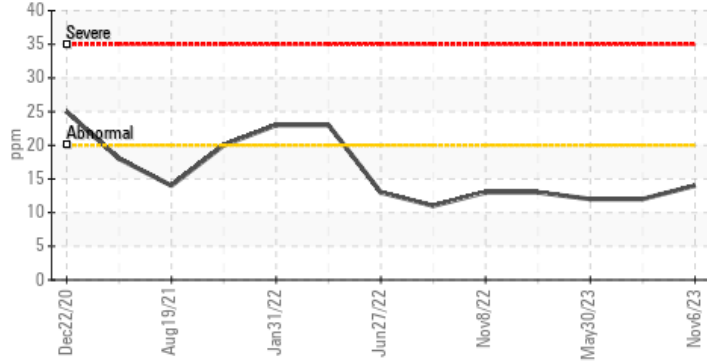


# CONSTRUCTION EQUIPMENT

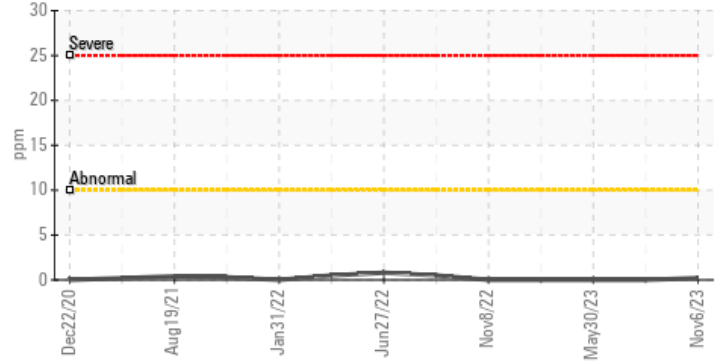


## VOLVO GRAPHS

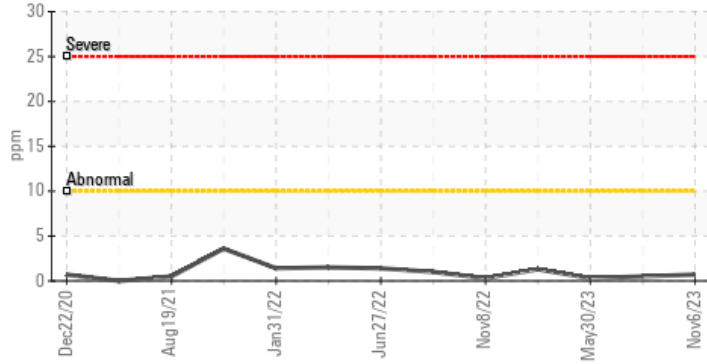
### Iron (ppm)



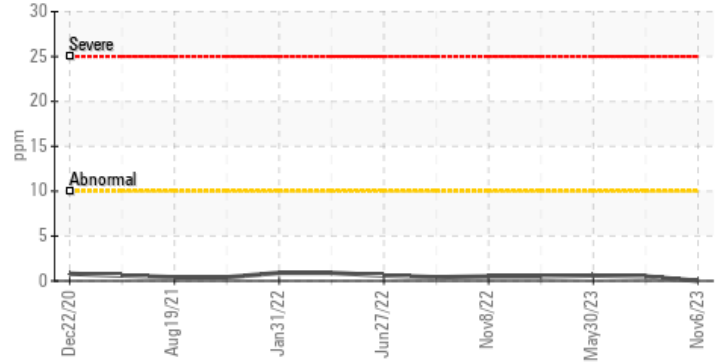
### Lead (ppm)



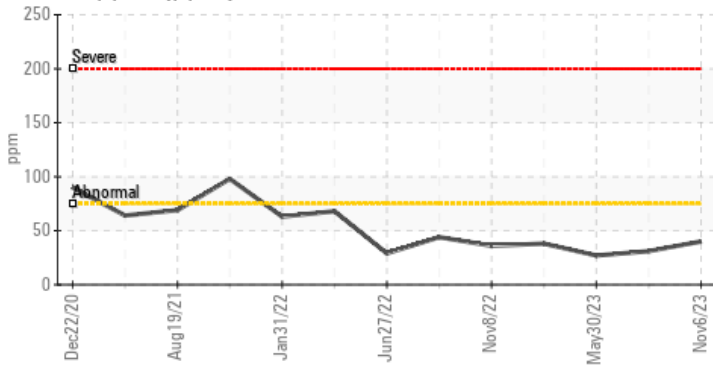
### Aluminum (ppm)



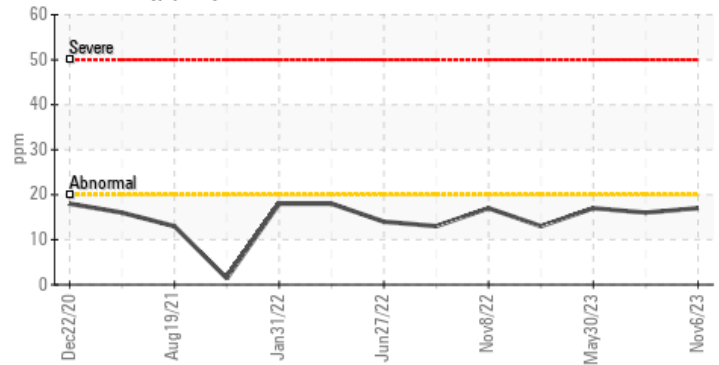
### Chromium (ppm)



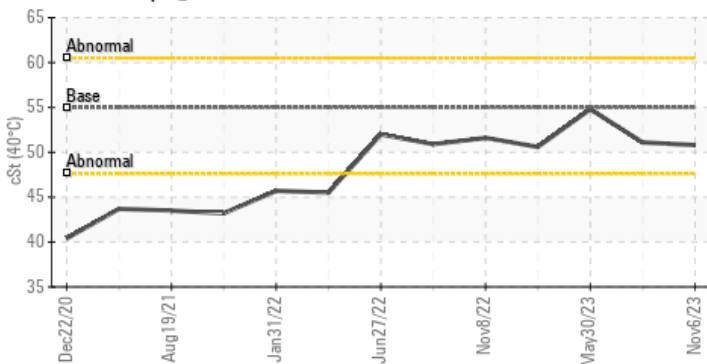
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

