



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352026 - WET DISC BRAKE



**Sample No:** VCP436360  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436360</b>	VCP395132	VCP402959	VCP404851
Sample Date	<b>08 Feb 2024</b>	30 Oct 2023	29 Aug 2023	22 Mar 2023
Machine Hours	<b>9959</b>	9458	9029	7981
Oil Hours	<b>501</b>	1993	1564	516
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>52.2</b>	49.4	50.0	47.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	17	12	▲ 22
Sodium	ppm	<b>0</b>	3	2	4
Potassium	ppm	<b>2</b>	0	0	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>	26	11	34
Copper	ppm	<b>11</b>	18	11	24
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	<1	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>1</b>	2	1	3
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3464</b>	3133	2767	3028
Magnesium	ppm	<b>16</b>	7	12	14
Zinc	ppm	<b>1381</b>	1413	1143	1303
Phosphorus	ppm	<b>1313</b>	1153	933	1148
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>116</b>	103	97	104

**Depot:** SCHGRE  
**Unique No:** 10876584  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024

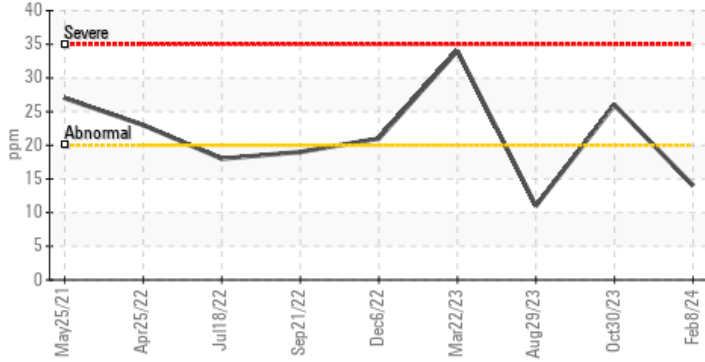


# CONSTRUCTION EQUIPMENT

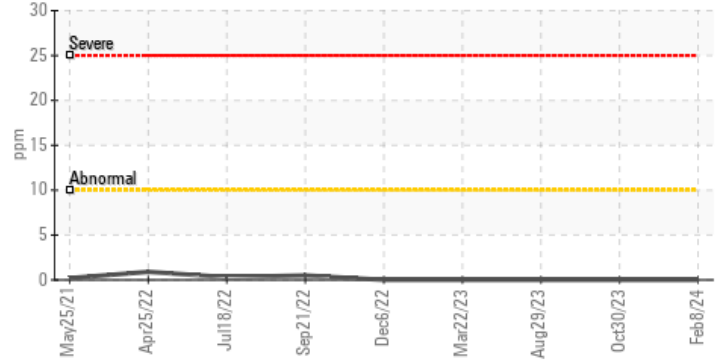


## GRAPHS

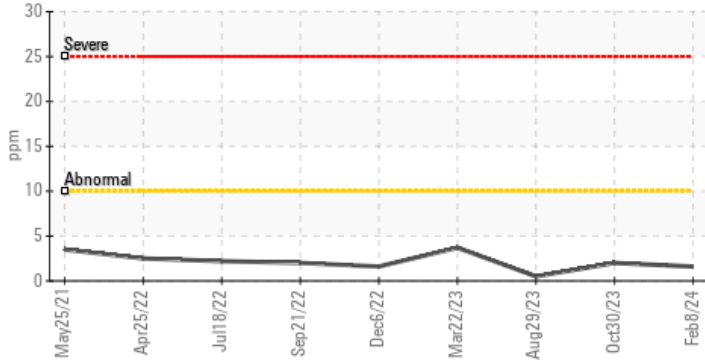
Iron (ppm)



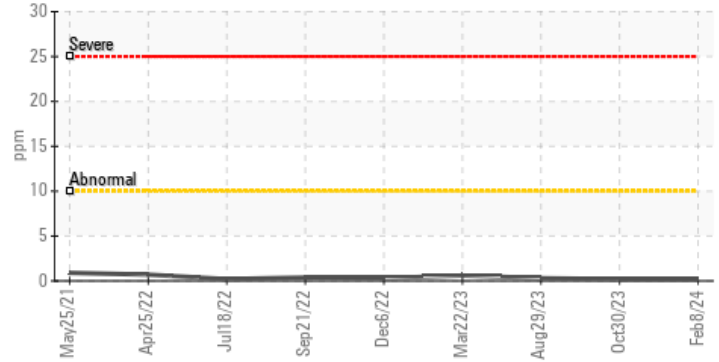
Lead (ppm)



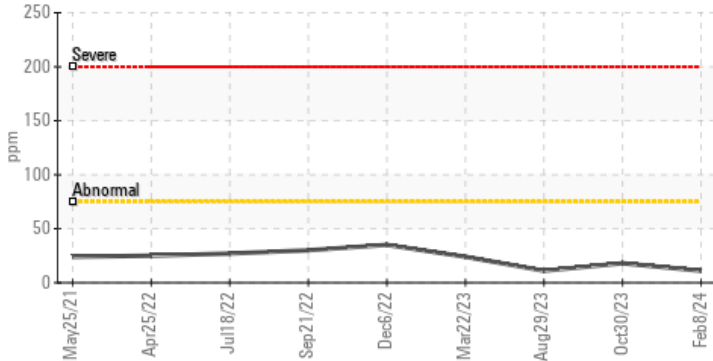
Aluminum (ppm)



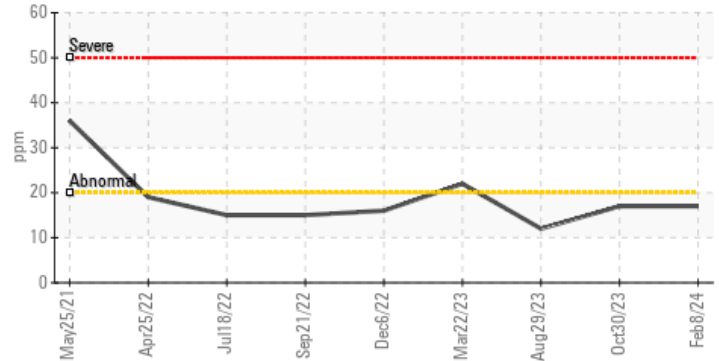
Chromium (ppm)



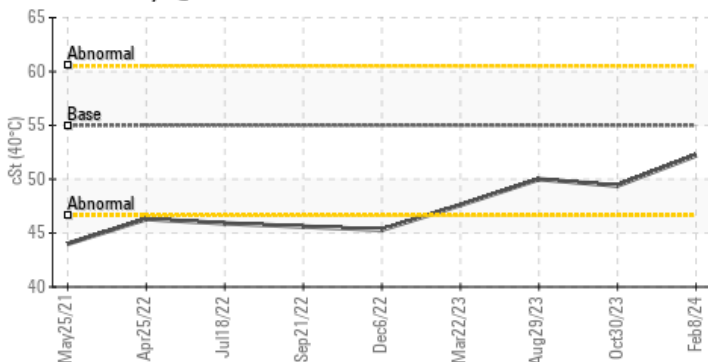
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

