



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341 127 - WET DISC BRAKE



**Sample No:** VCP435445  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP435445</b>	VCP416951	VCP404501	VCP398296
Sample Date	<b>07 May 2024</b>	06 Feb 2024	24 Oct 2023	27 Apr 2023
Machine Hours	<b>14841</b>	14222	13756	12838
Oil Hours	<b>619</b>	1865	1399	481
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>52.6</b>	49.2	49.5	50.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>▲ 20</b>	12	13	13
Sodium	ppm	1	4	0	5
Potassium	ppm	2	<1	2	0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>▲ 29</b>	18	18	17
Copper	ppm	43	80	85	64
Lead	ppm	<1	2	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	2	<1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	1	1	1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	<b>4580</b>	3113	3166	3122
Magnesium	ppm	18	14	11	15
Zinc	ppm	<b>1953</b>	1366	1358	1348
Phosphorus	ppm	<b>1752</b>	1103	1203	1122
Barium	ppm	0	0	0	0
Boron	ppm	<b>145</b>	96	100	90

**Depot:** SCHGRE  
**Unique No:** 11033050  
**Signed:** Sean Felton  
**Report Date:** 20 May 2024

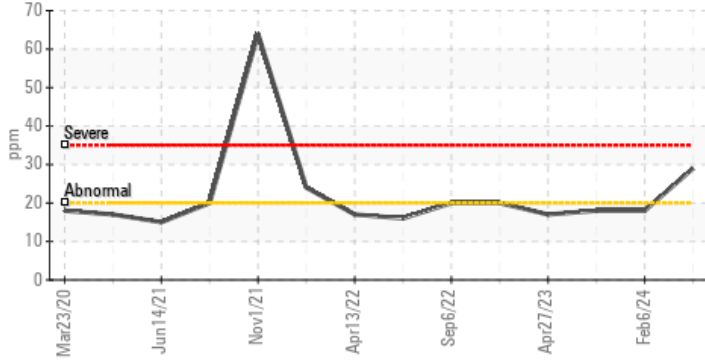


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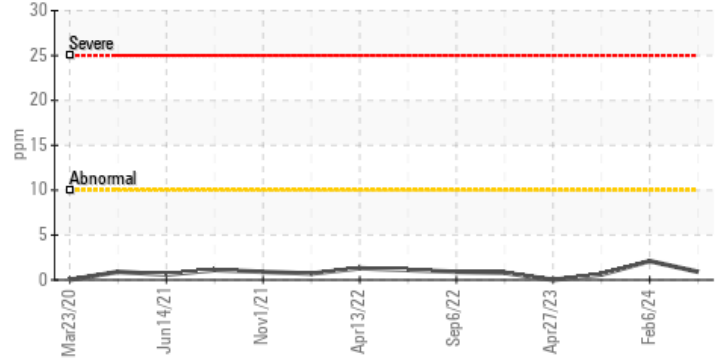


## VOLVO GRAPHS

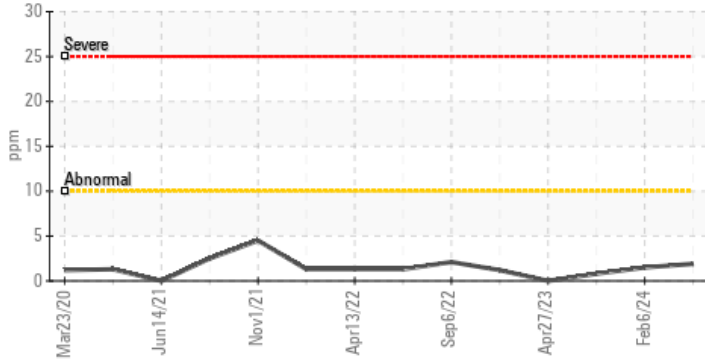
### ▲ Iron (ppm)



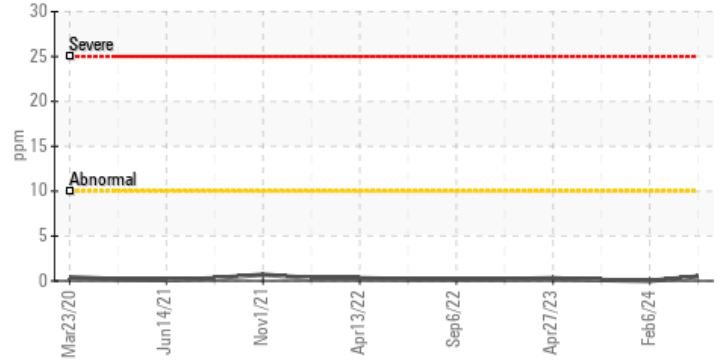
### Lead (ppm)



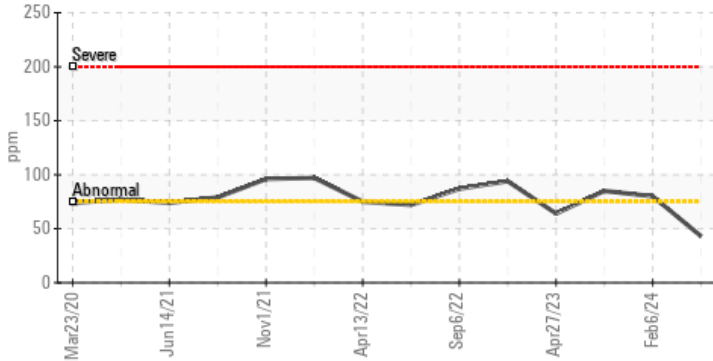
### Aluminum (ppm)



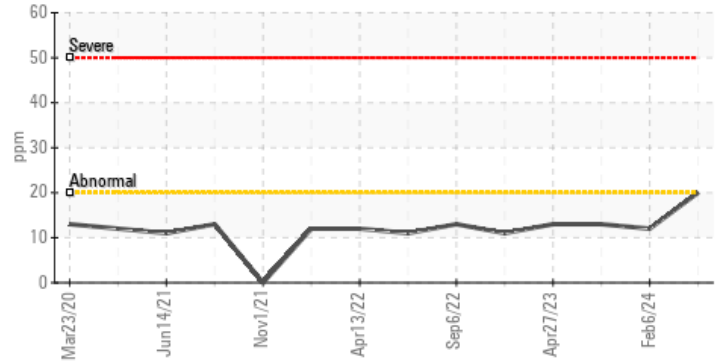
### Chromium (ppm)



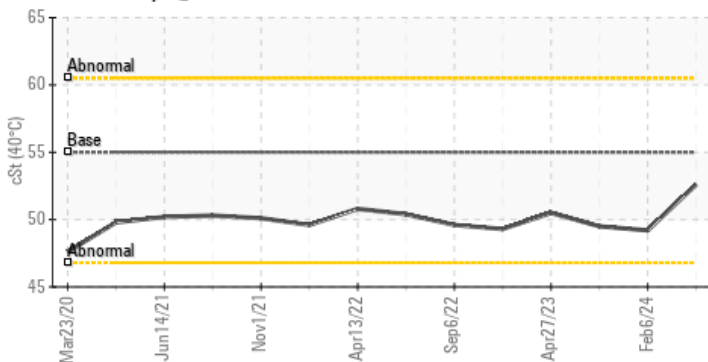
### Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

