



# CONSTRUCTION EQUIPMENT

## 2801 VOLVO A40G 342373 - WET DISC BRAKE



**Sample No:** VCP399418  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 2801



### SAMPLE INFORMATION

Sample Number	<b>VCP399418</b>	VCP445745	VCP341876	VCP400063
Sample Date	<b>12 Mar 2024</b>	29 Nov 2023	09 Oct 2023	19 Jul 2023
Machine Hours	<b>12715</b>	12310	11957	11379
Oil Hours	<b>405</b>	1965	1612	1034
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.7</b>	47.8	47.6	49.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>27</b>	15	16	16
Sodium	ppm	<b>6</b>	4	2	6
Potassium	ppm	<b>2</b>	0	2	0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. 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>30</b>	23	25	24
Copper	ppm	<b>138</b>	92	150	118
Lead	ppm	<b>&lt;1</b>	3	0	1
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>3</b>	1	1	<1
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	<1	<1
Nickel	ppm	<b>5</b>	4	4	4
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	1	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>4528</b>	2247	3019	2914
Magnesium	ppm	<b>20</b>	0	11	15
Zinc	ppm	<b>1861</b>	1112	1353	1249
Phosphorus	ppm	<b>1413</b>	906	1162	1072
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>131</b>	86	103	103

**Depot:** SCHGRE  
**Unique No:** 10938213  
**Signed:** Don Baldrige  
**Report Date:** 22 Mar 2024

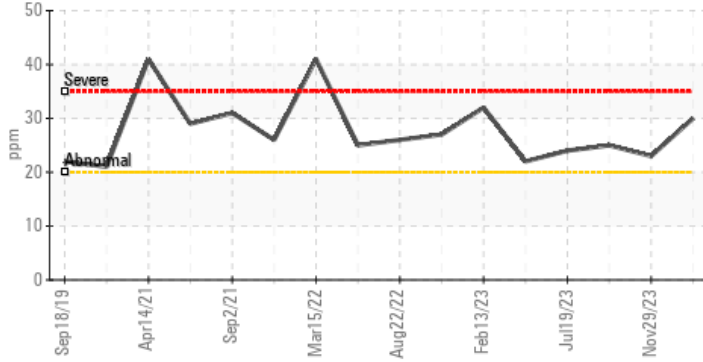


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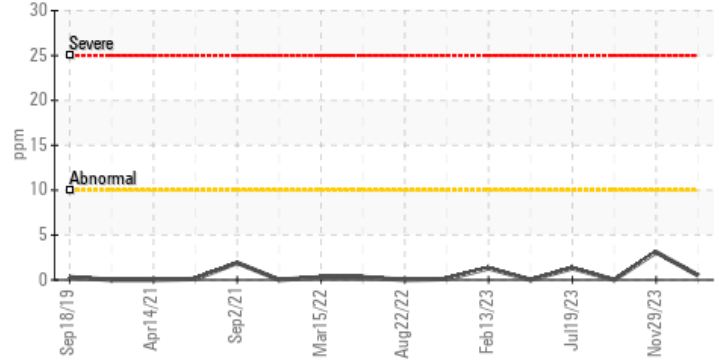


## VOLVO GRAPHS

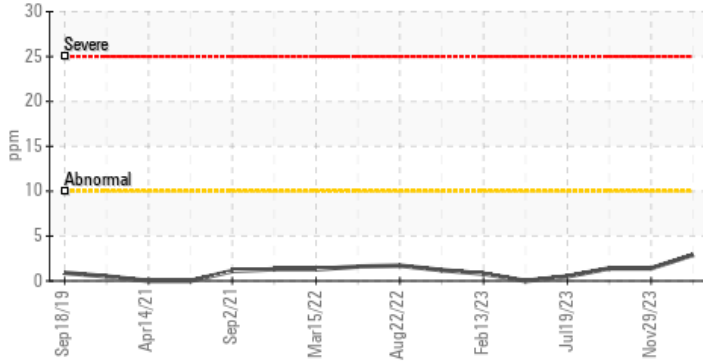
### ▲ Iron (ppm)



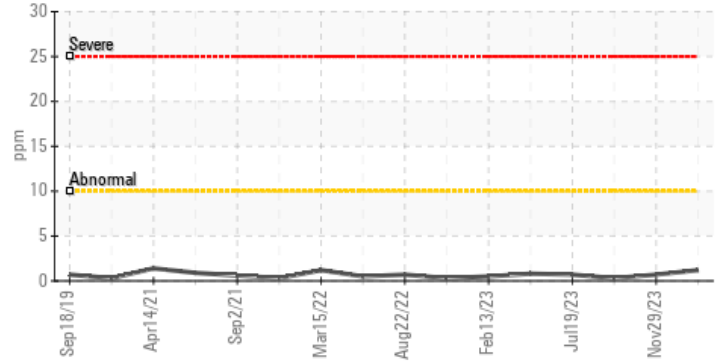
### Lead (ppm)



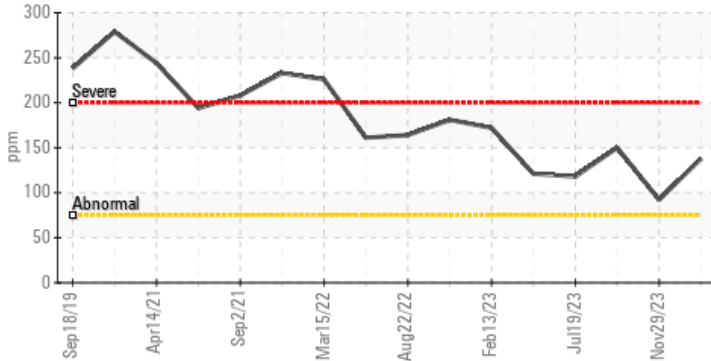
### Aluminum (ppm)



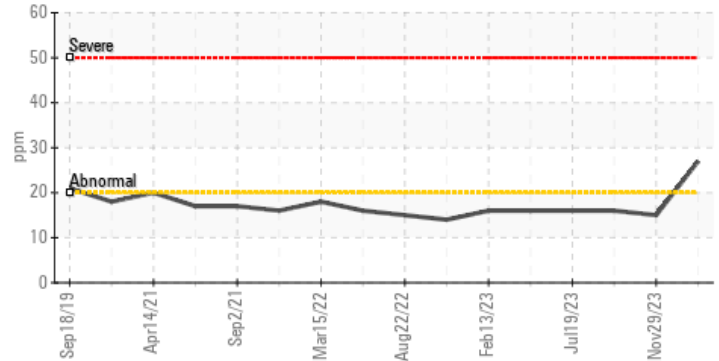
### Chromium (ppm)



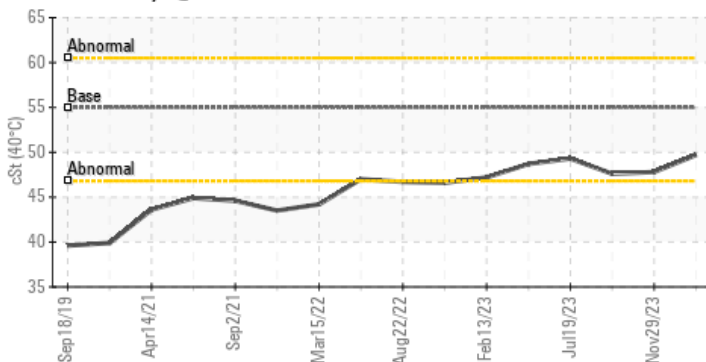
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

