



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341 127 - WET DISC BRAKE



**Sample No:** VCP447362  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447362</b>	VCP435445	VCP416951	---
Sample Date	<b>10 Jul 2024</b>	07 May 2024	06 Feb 2024	---
Machine Hours	<b>15296</b>	14841	14222	---
Oil Hours	<b>1074</b>	619	1865	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.5</b>	52.6	49.2	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>10</b>	▲ 20	12	---
Sodium	ppm	<b>0</b>	1	4	---
Potassium	ppm	<b>2</b>	2	<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>11</b>	▲ 29	18	---
Copper	ppm	<b>39</b>	43	80	---
Lead	ppm	<b>0</b>	<1	2	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>4</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	<1	0	---
Molybdenum	ppm	<b>&lt;1</b>	1	<1	---
Nickel	ppm	<b>&lt;1</b>	1	1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>&lt;1</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>3565</b>	4580	3113	---
Magnesium	ppm	<b>13</b>	18	14	---
Zinc	ppm	<b>1428</b>	1953	1366	---
Phosphorus	ppm	<b>1232</b>	1752	1103	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>130</b>	145	96	---

**Depot:** SCHGRE  
**Unique No:** 11129488  
**Signed:** Don Baldrige  
**Report Date:** 20 Jul 2024

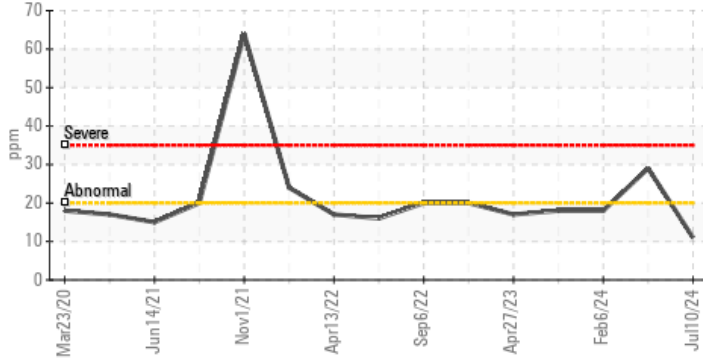


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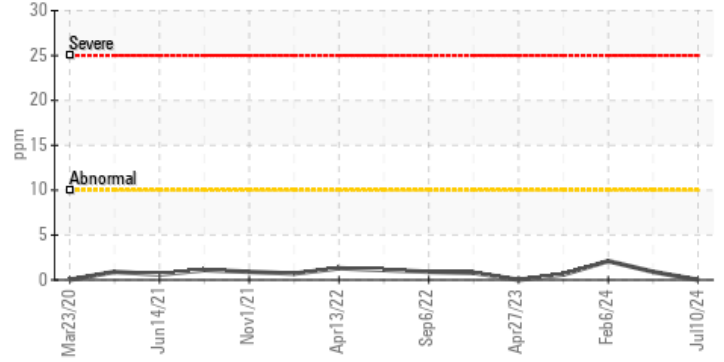


## GRAPHS

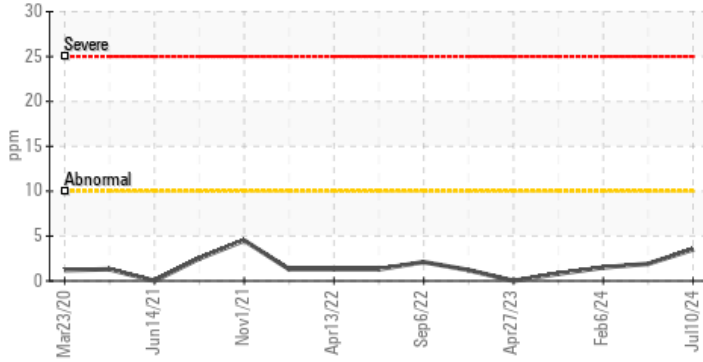
### Iron (ppm)



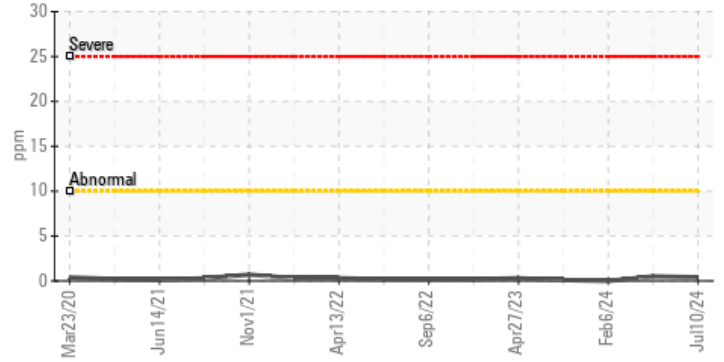
### Lead (ppm)



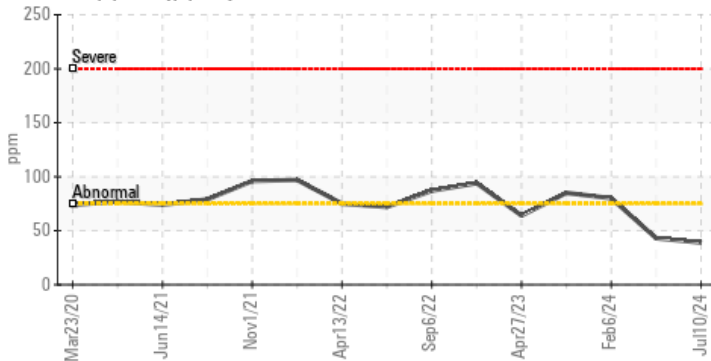
### Aluminum (ppm)



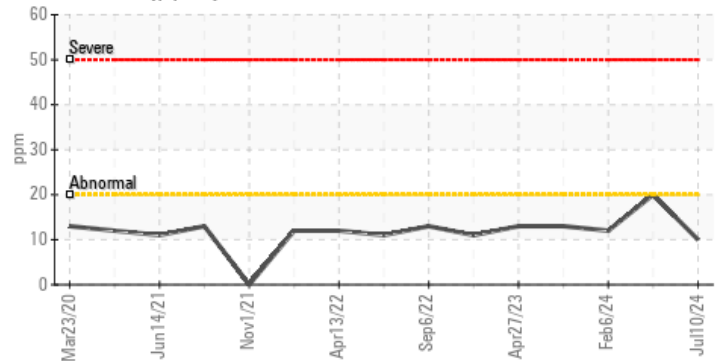
### Chromium (ppm)



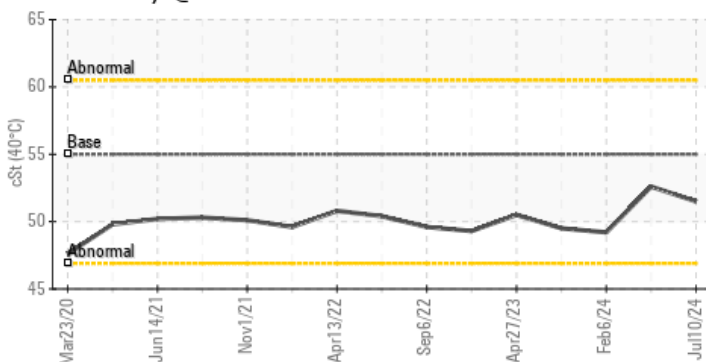
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

