



# CONSTRUCTION EQUIPMENT

## 2901 VOLVO A40G 352 199 - TRANSMISSION (AUTO)



**Sample No:** VCP404650

**Oil Type:** MOBIL ATF

**Job No:** 2901



### SAMPLE INFORMATION

Sample Number	<b>VCP404650</b>	VCP385111	VCP390561	VCP385109
Sample Date	<b>19 Jul 2023</b>	02 May 2023	13 Feb 2023	01 Nov 2022
Machine Hours	<b>5644</b>	5149	4597	4083
Oil Hours	<b>495</b>	522	514	516
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	NORMAL

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 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>30.9</b>	31.5	31.2	29.9
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### CONTAMINATION

Silicon	ppm	<b>2</b>	2	2	3
Sodium	ppm	<b>2</b>	3	0	2
Potassium	ppm	<b>2</b>	<1	2	0



### WEAR METALS

Iron	ppm	<b>5</b>	6	5	6
Copper	ppm	<b>15</b>	16	15	11
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>2</b>	1	2	1
Aluminum	ppm	<b>2</b>	2	4	2
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>2</b>	2	2	2
Nickel	ppm	<b>3</b>	2	2	2
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>239</b>	254	179	167
Magnesium	ppm	<b>19</b>	16	8	11
Zinc	ppm	<b>71</b>	68	45	28
Phosphorus	ppm	<b>267</b>	275	253	260
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>97</b>	92	105	94

### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** SCHGRE  
**Unique No:** 10586862  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023

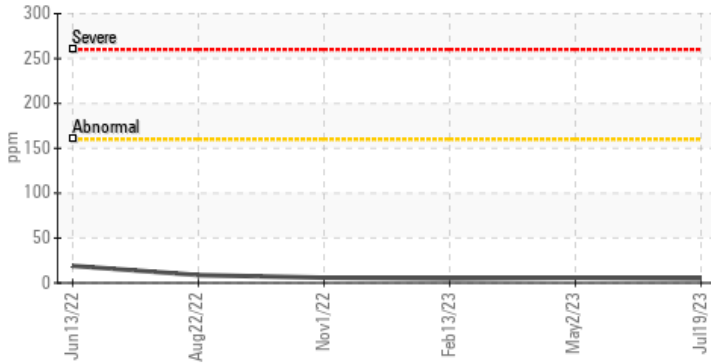


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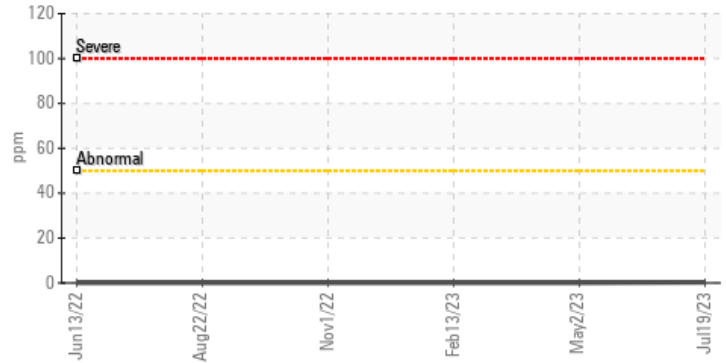


## GRAPHS

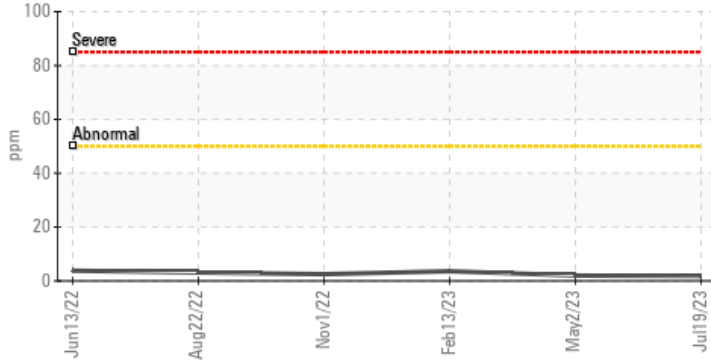
### Iron (ppm)



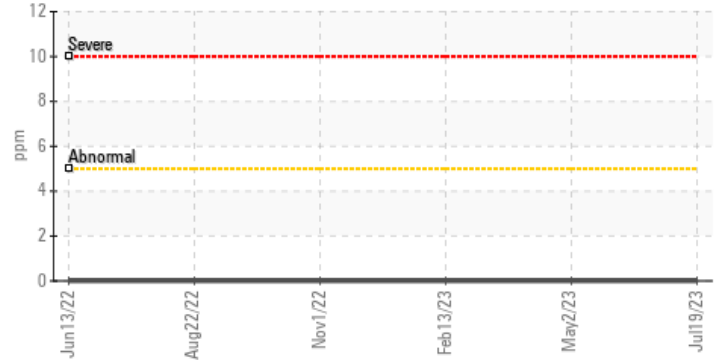
### Lead (ppm)



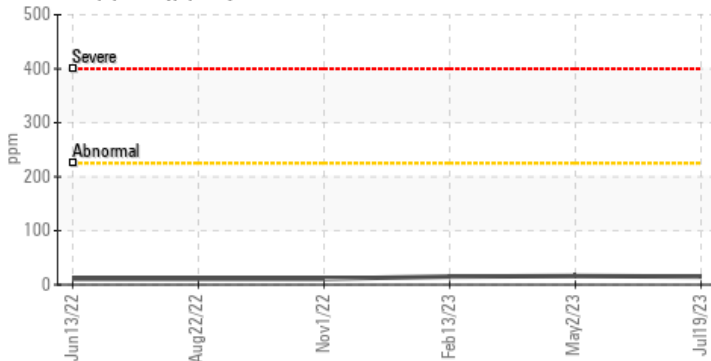
### Aluminum (ppm)



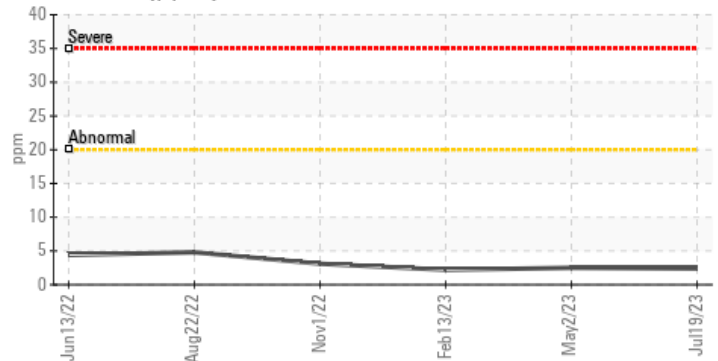
### Chromium (ppm)



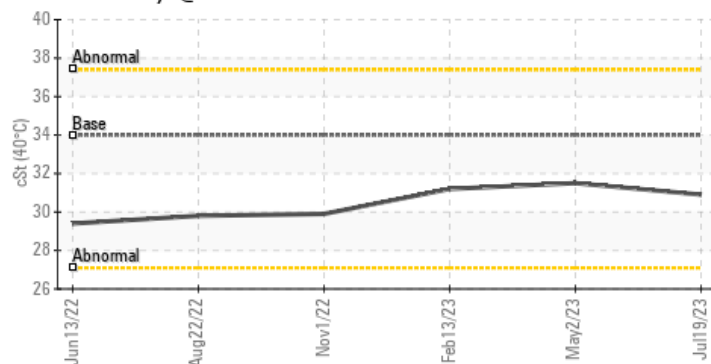
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

