



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342539 - BRAKE COOLING SYSTEM



**Sample No:** VCP0007577

**Oil Type:** TRANSAXLE OIL SAE 75W80

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007577</b>	VCP329538	VCP315477	VCP276620
Sample Date	<b>06 Jul 2023</b>	01 Dec 2021	15 Mar 2021	05 May 2020
Machine Hours	<b>0</b>	4272	3145	1920
Oil Hours	<b>0</b>	4272	3145	1920
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
 17502 CR 672  
 LITHIA, FL  
 US 33547  
 Contact: GARY ROGERS  
 grogers@qgsdevelopment.com  
 T: (813)323-4119  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	40.4	41.7	41.0
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### CONTAMINATION

Silicon	ppm	<b>12</b>	15	13	15
Sodium	ppm	<b>0</b>	4	6	6
Potassium	ppm	<b>3</b>	0	<1	1



### WEAR METALS

Iron	ppm	<b>14</b>	17	17	12
Copper	ppm	<b>87</b>	▲ 323	▲ 305	▲ 220
Lead	ppm	<b>&lt;1</b>	13	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	1	<1	0
Nickel	ppm	<b>2</b>	4	5	4
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4273</b>	3377	3358	3274
Magnesium	ppm	<b>15</b>	12	9	8
Zinc	ppm	<b>1691</b>	1334	1321	1309
Phosphorus	ppm	<b>1378</b>	1226	1167	1177
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>161</b>	104	109	99

### 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.

**Depot:** QUALITFL  
**Unique No:** 10549884  
**Signed:** Sean Felton  
**Report Date:** 11 Jul 2023

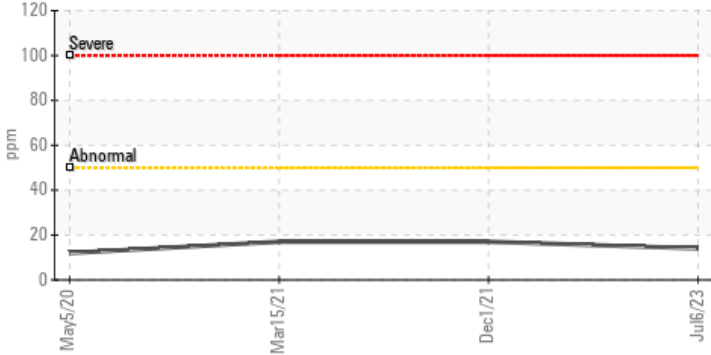


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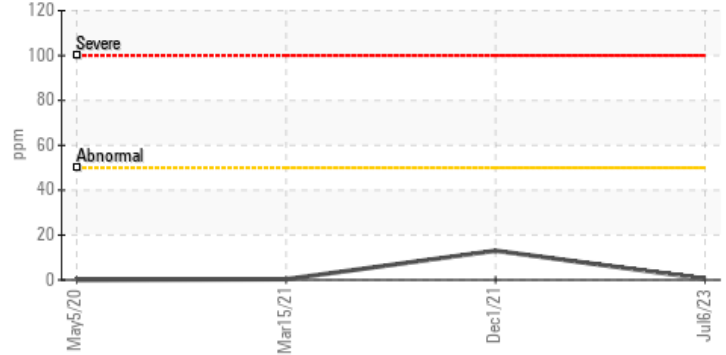


## GRAPHS

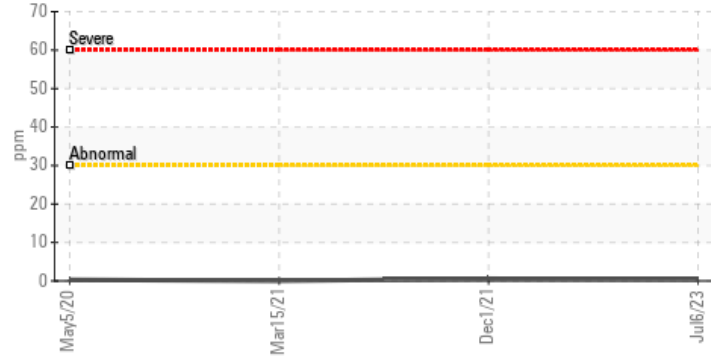
### Iron (ppm)



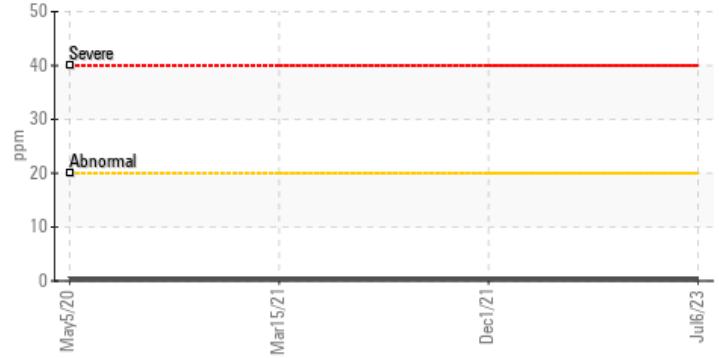
### Lead (ppm)



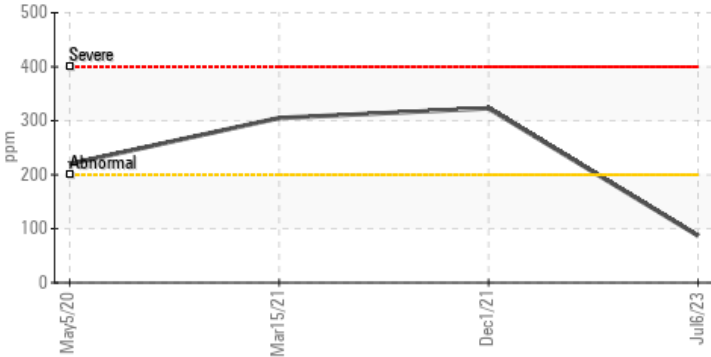
### Aluminum (ppm)



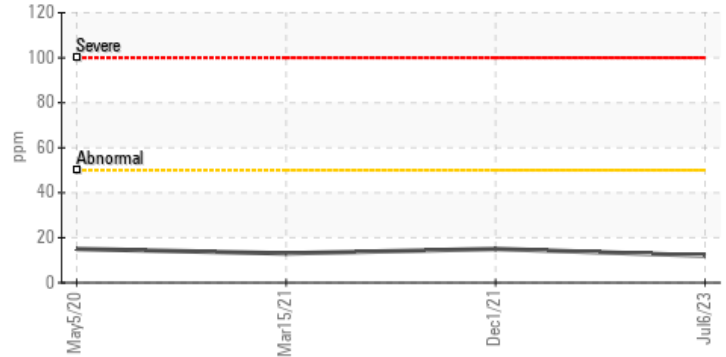
### Chromium (ppm)



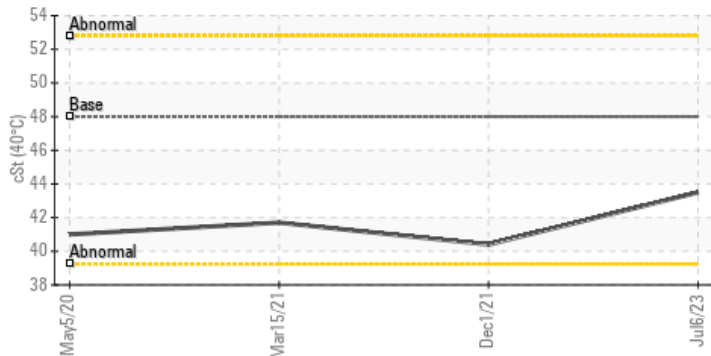
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

