



# CONSTRUCTION EQUIPMENT

## 19312 VOLVO A45G 353454 - WET DISC BRAKE



**Sample No:** VCP416873

**Oil Type:** NOT GIVEN

**Job No:** 19312



### SAMPLE INFORMATION

Sample Number	VCP416873	---	---	---
Sample Date	03 Aug 2023	---	---	---
Machine Hours	2143	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	■ 41.1	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 68	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 5	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. The iron level is abnormal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	▲ 111	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 11	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	3467	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	1516	---	---	---
Phosphorus	ppm	1341	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	136	---	---	---

**Depot:** VOLV08769  
**Unique No:** 10617016  
**Signed:** Don Baldrige  
**Report Date:** 24 Aug 2023

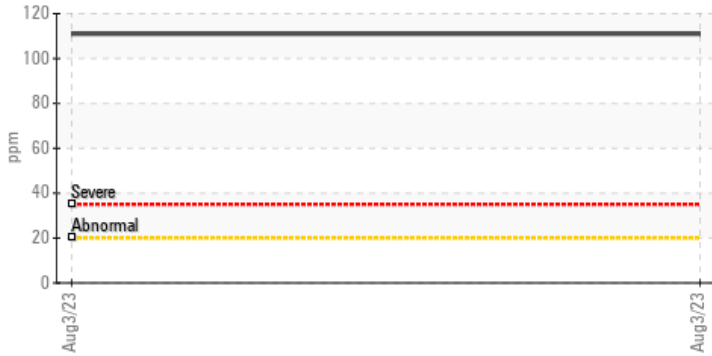


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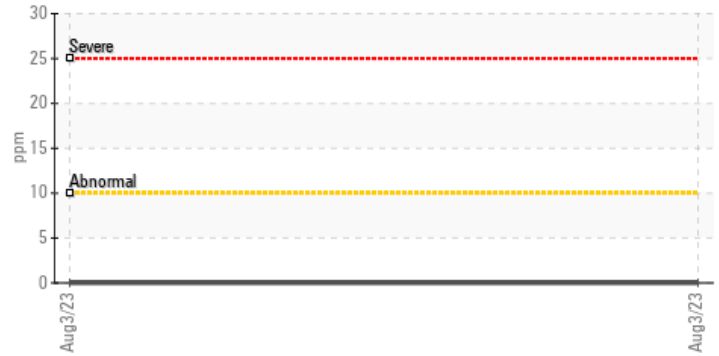


## GRAPHS

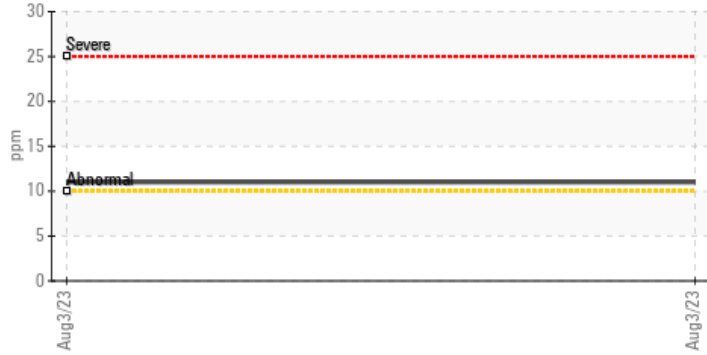
### ▲ Iron (ppm)



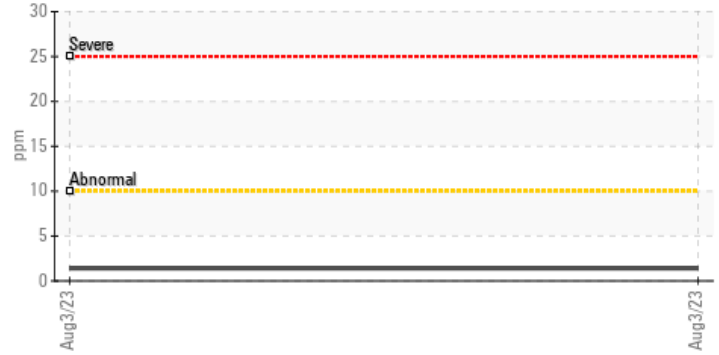
### Lead (ppm)



### ▲ Aluminum (ppm)



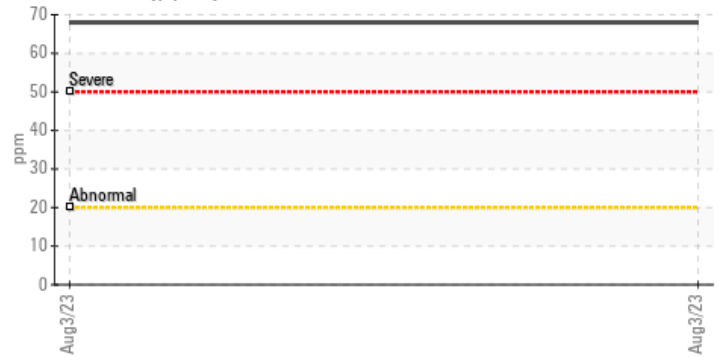
### Chromium (ppm)



### Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

