



# CONSTRUCTION EQUIPMENT

19695 MMA-CLACKS VOLVO A45G 352449 - WET DISC BRAKE



**Sample No:** VCP415486  
**Oil Type:** VOLVO WB 102  
**Job No:** 19695 MMA-CLACKS



## SAMPLE INFORMATION

Sample Number	VCP415486	---	---	---
Sample Date	13 Sep 2023	---	---	---
Machine Hours	962	---	---	---
Oil Hours	962	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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US 27834  
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T:  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 40.9	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 2	---	---	---

## Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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	▲ 24	---	---	---
Copper	ppm	█ 52	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 3731	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 1560	---	---	---
Phosphorus	ppm	█ 1269	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 133	---	---	---

**Depot:** VOLVO8769  
**Unique No:** 10662656  
**Signed:** Sean Felton  
**Report Date:** 27 Sep 2023

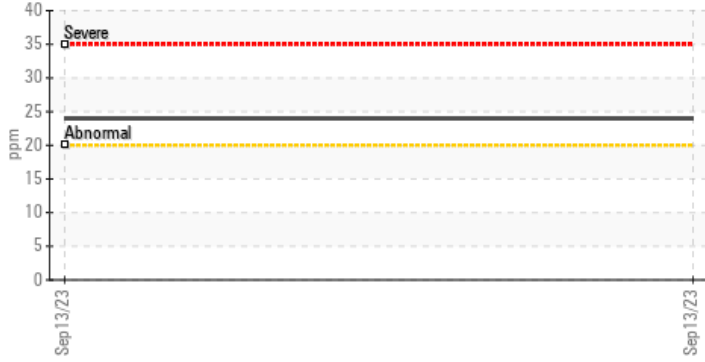


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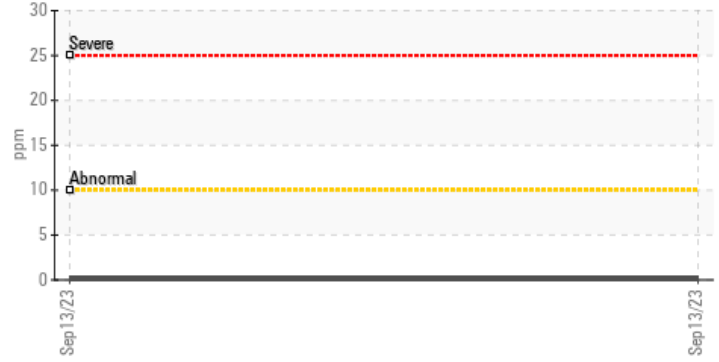


## GRAPHS

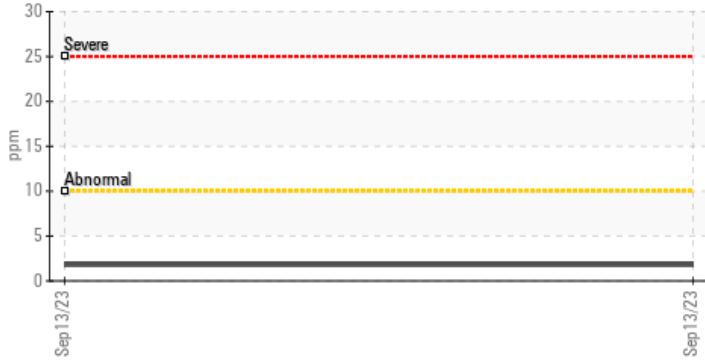
### ▲ Iron (ppm)



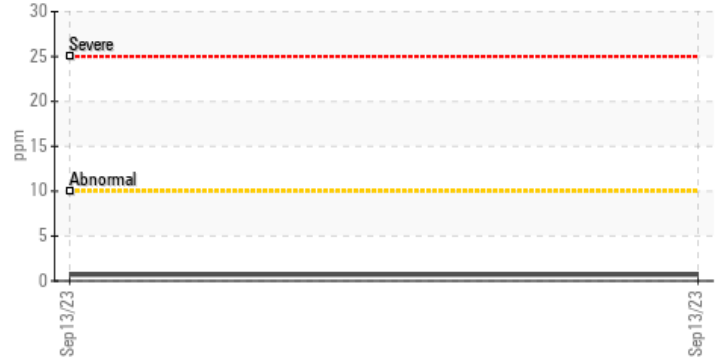
### Lead (ppm)



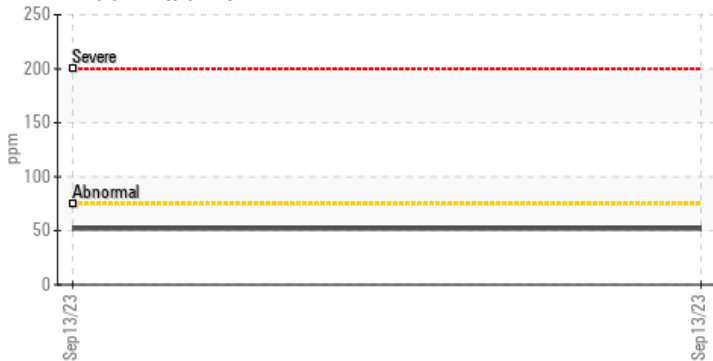
### Aluminum (ppm)



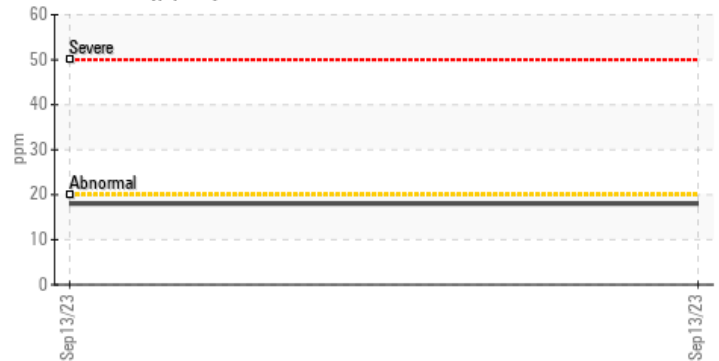
### Chromium (ppm)



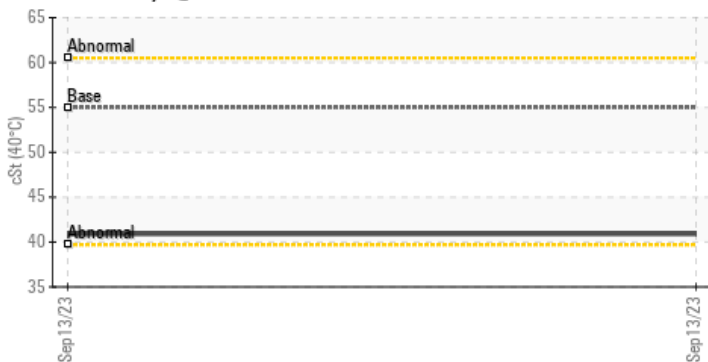
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

