



# CONSTRUCTION EQUIPMENT

19190 MARTIN MARIETT VOLVO A45G 353588 - WET DISC BRAKE



**Sample No:** VCP417410  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 19190 MARTIN MARIETT



## SAMPLE INFORMATION

Sample Number	VCP417410	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	490	---	---	---
Oil Hours	490	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 GREENVILLE, NC  
 US 27834  
 Contact: BRANDON JENKINS  
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM  
 T:  
 F: (704)494-8197



## OIL CONDITION

Visc @ 40°C	cSt	█ 41.4	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 180	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 8	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Gear wear is indicated. 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	▲ 359	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 38	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 4200	---	---	---
Magnesium	ppm	█ 17	---	---	---
Zinc	ppm	█ 1849	---	---	---
Phosphorus	ppm	█ 1478	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 128	---	---	---

**Depot:** VOLVO8769  
**Unique No:** 10587612  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023

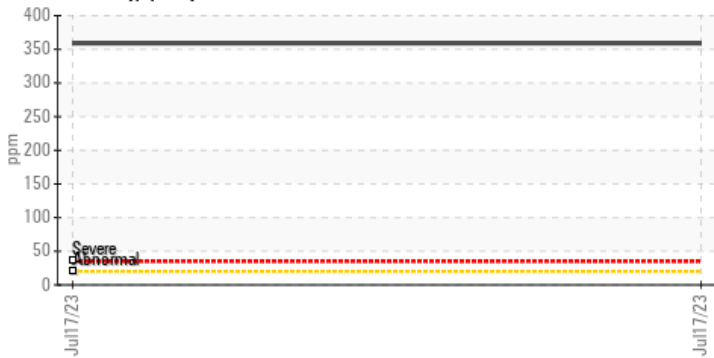


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## GRAPHS

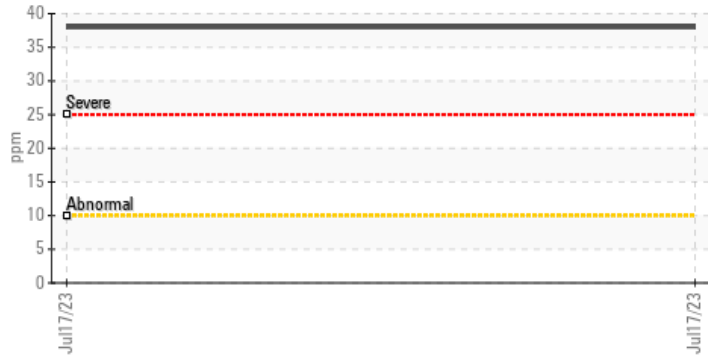
### ▲ Iron (ppm)



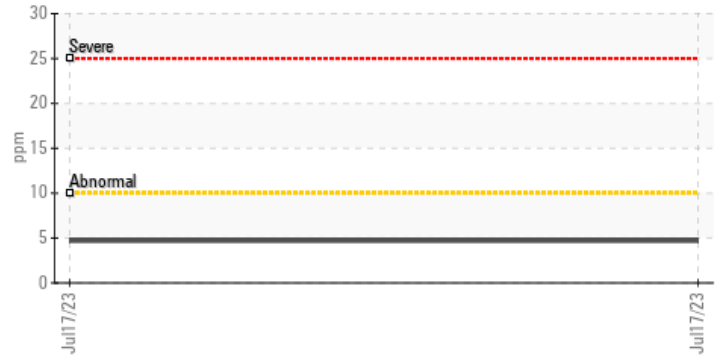
### Lead (ppm)



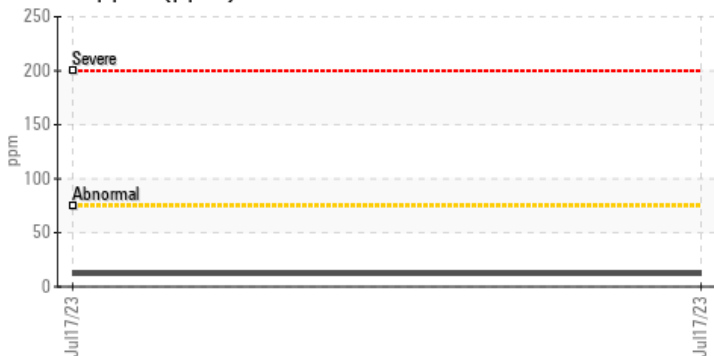
### ▲ Aluminum (ppm)



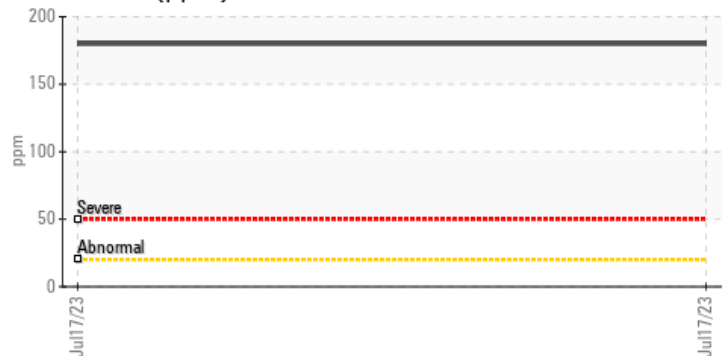
### Chromium (ppm)



### Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

