



# CONSTRUCTION EQUIPMENT

W07013770 VOLVO A45G 352347 - WET DISC BRAKE



Sample No: VCP423618

Oil Type: NOT GIVEN

Job No: W07013770



## SAMPLE INFORMATION

Sample Number	VCP423618	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	4089	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



## OIL CONDITION

Visc @ 40°C	cSt	■ 40.1	---	---	---
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## CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 20	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 0	---	---	---



## WEAR METALS

Iron	ppm	▲ 46	---	---	---
Copper	ppm	▲ 238	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	3259	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	1410	---	---	---
Phosphorus	ppm	1332	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	99	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8882  
 Unique No: 10782310  
 Signed: Jonathan Hester  
 Report Date: 15 Dec 2023

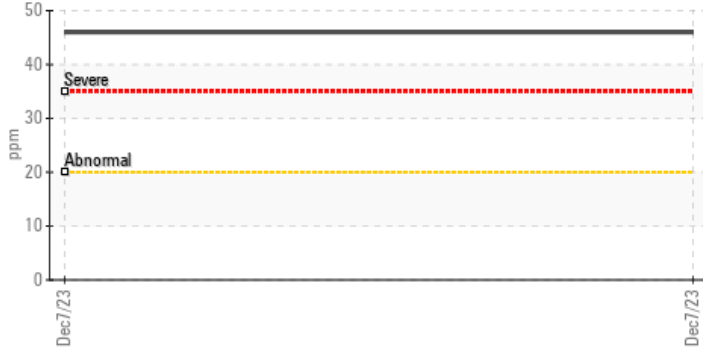


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## GRAPHS

### ▲ Iron (ppm)



### Lead (ppm)



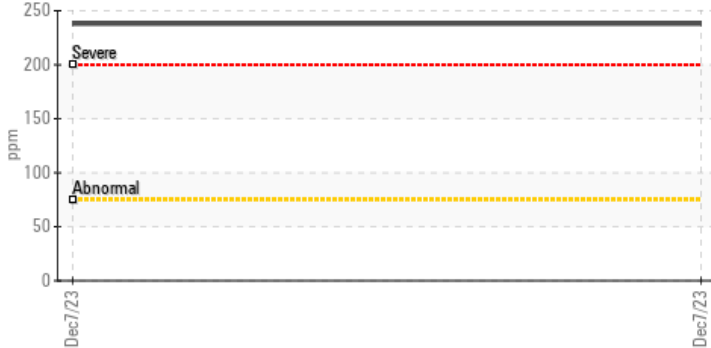
### Aluminum (ppm)



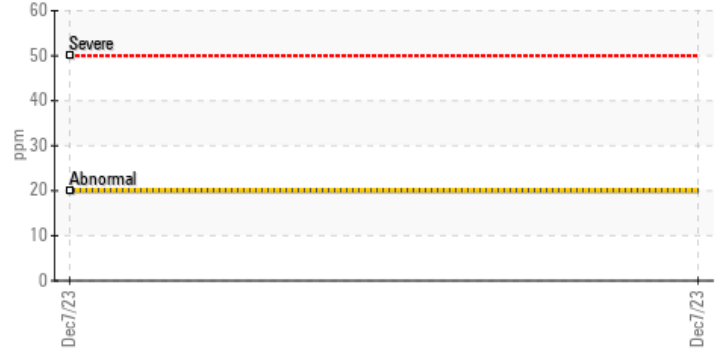
### Chromium (ppm)



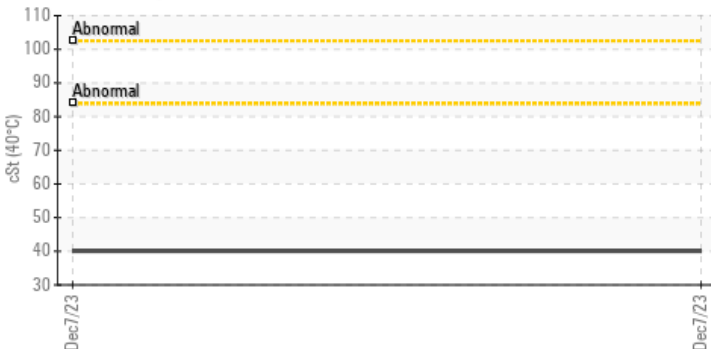
### ▲ Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

