



# CONSTRUCTION EQUIPMENT

379143 VOLVO L110H 632619 - DIESEL ENGINE



**Sample No:** VCP391670  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 379143



## SAMPLE INFORMATION

Sample Number	VCP391670	---	---	---
Sample Date	20 Sep 2023	---	---	---
Machine Hours	643	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT (CE)

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 Burlington, ON  
 CA L7L 4Y1  
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 lwilliams@strongco.com  
 T:  
 F: (905)643-6077



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Oxidation (PA)	%	█ 73	---	---	---



## CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 53	---	---	---
Sulfation (PA)	%	█ 59	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	█ 19	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 16	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1485	---	---	---
Magnesium	ppm	█ 589	---	---	---
Zinc	ppm	█ 1061	---	---	---
Phosphorus	ppm	█ 908	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 40	---	---	---

**Depot:** VOLVO0252  
**Unique No:** 5657138  
**Signed:** Wes Davis  
**Report Date:** 11 Oct 2023

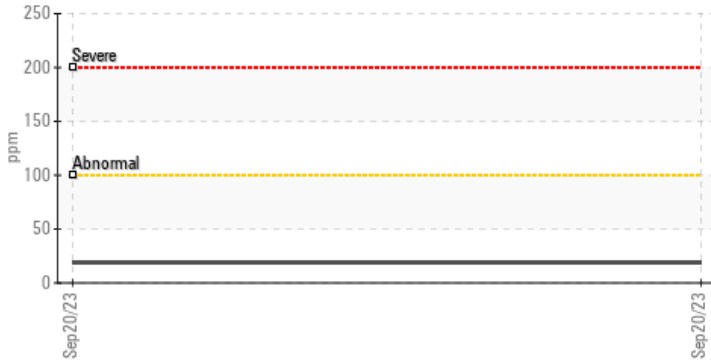


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## GRAPHS

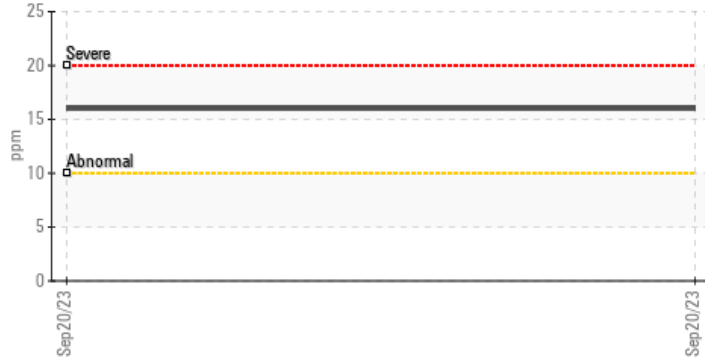
### Iron (ppm)



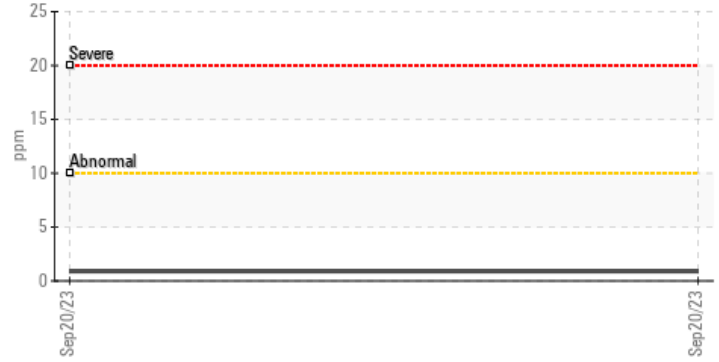
### Lead (ppm)



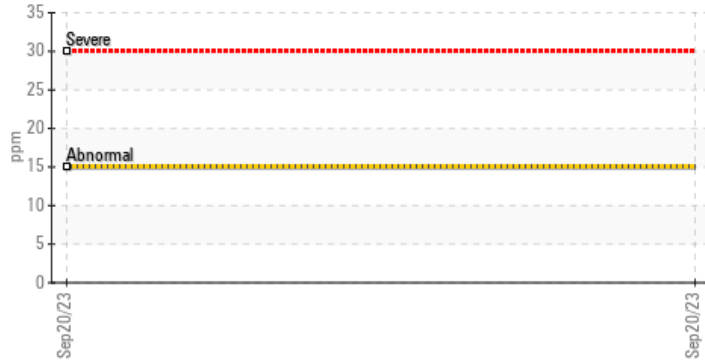
### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

