



# CONSTRUCTION EQUIPMENT

377595 VOLVO SD115B 236898 - DIESEL ENGINE



**Sample No:** VCP391719  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30  
**Job No:** 377595



## SAMPLE INFORMATION

Sample Number	VCP391719	---	---	---
Sample Date	10 Sep 2023	---	---	---
Machine Hours	995	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT

54 IBER ROAD  
 OTTAWA, ON  
 CA K2S 1E8  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 11.1	---	---	---
Oxidation (PA)	%	█ 54	---	---	---



## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 68	---	---	---
Sulfation (PA)	%	█ 53	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 18	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 62	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ <1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1817	---	---	---
Magnesium	ppm	█ 304	---	---	---
Zinc	ppm	█ 1111	---	---	---
Phosphorus	ppm	█ 1010	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 86	---	---	---

**Depot:** SHESTI  
**Unique No:** 5643747  
**Signed:** Wes Davis  
**Report Date:** 15 Sep 2023



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## GRAPHS

