



# CONSTRUCTION EQUIPMENT

8000165072 VOLVO EC250EL 310341 - DIESEL ENGINE



**Sample No:** VCP222835  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8000165072



## SAMPLE INFORMATION

Sample Number	VCP222835	---	---	---
Sample Date	14 Aug 2018	---	---	---
Machine Hours	506	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**STRONGCO EQUIPMENT--CALGARY**  
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 CA T2C 4R7  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 91.4	---	---	---
Visc @ 100°C	cSt	█ 12.7	---	---	---
Viscosity Index (VI)	Scale	█ 135	---	---	---
Oxidation (PA)	%	█ 50	---	---	---

## Diagnosis

Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 49	---	---	---
Sulfation (PA)	%	█ 51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.7	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1883	---	---	---
Magnesium	ppm	█ 201	---	---	---
Zinc	ppm	█ 1089	---	---	---
Phosphorus	ppm	█ 917	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 7	---	---	---

**Depot:** VOLVO3909  
**Unique No:** 4743975  
**Signed:** Kevin Marson  
**Report Date:** 31 Aug 2018



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## GRAPHS

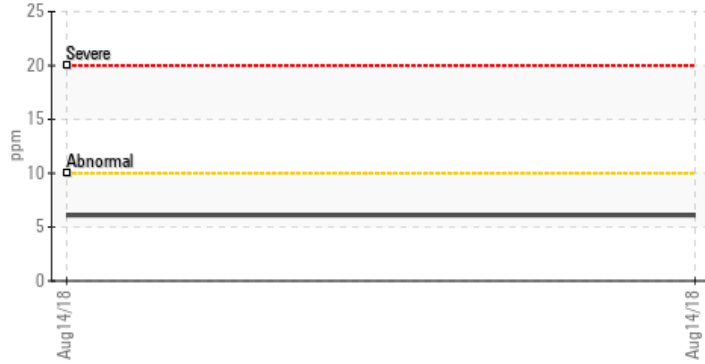
### Iron (ppm)



### Lead (ppm)



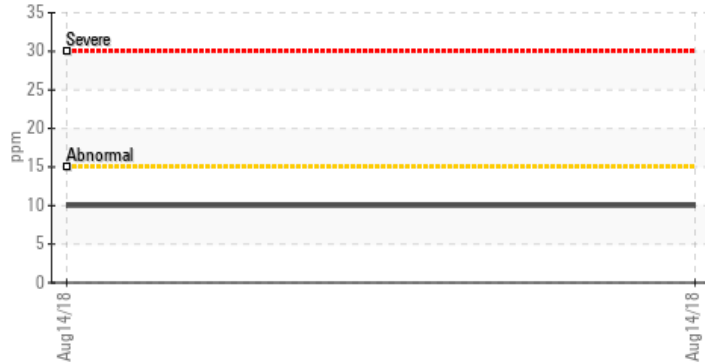
### Aluminum (ppm)



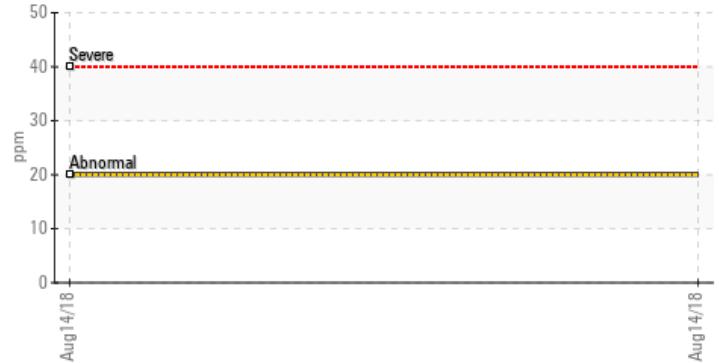
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

