



# CONSTRUCTION EQUIPMENT

5333DR TAYLOR RECYCL VOLVO L60H 622736 - DIESEL ENGINE



**Sample No:** VCP337518  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 5333DR TAYLOR RECYCL



## SAMPLE INFORMATION

Sample Number	<b>VCP337518</b>	VCP404387	VCP367110	---
Sample Date	<b>05 Apr 2024</b>	18 Mar 2023	07 Nov 2022	---
Machine Hours	<b>4046</b>	2523	2028	---
Oil Hours	<b>500</b>	500	500	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

**HIGHWAY EQUIPMENT & SUPPLY CO**  
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 US 18222  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	12.7	13.2	---
Base Number (BN)	mg KOH/g	<b>9.2</b>	10.9	12	---
Oxidation (PA)	%	<b>64</b>	79	84	---



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.3</b>	0.3	0.2	---
Nitration (PA)	%	<b>60</b>	60	60	---
Sulfation (PA)	%	<b>54</b>	61	65	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>11</b>	11	9	---
Sodium	ppm	<b>&lt;1</b>	2	<1	---
Potassium	ppm	<b>&lt;1</b>	1	2	---



## WEAR METALS

Iron	ppm	<b>88</b>	74	▲ 175	---
Copper	ppm	<b>2</b>	1	2	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>7</b>	4	3	---
Chromium	ppm	<b>2</b>	2	2	---
Molybdenum	ppm	<b>33</b>	39	49	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	1	2	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1958</b>	1501	1687	---
Magnesium	ppm	<b>430</b>	437	476	---
Zinc	ppm	<b>1163</b>	921	1054	---
Phosphorus	ppm	<b>955</b>	751	872	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>30</b>	39	42	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VOLVO0022  
**Unique No:** 10968757  
**Signed:** Wes Davis  
**Report Date:** 11 Apr 2024

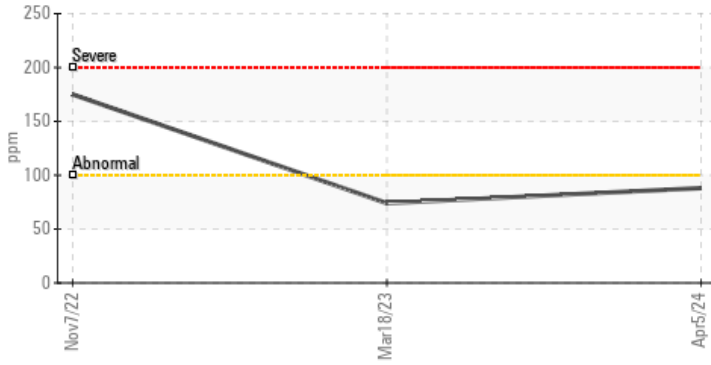


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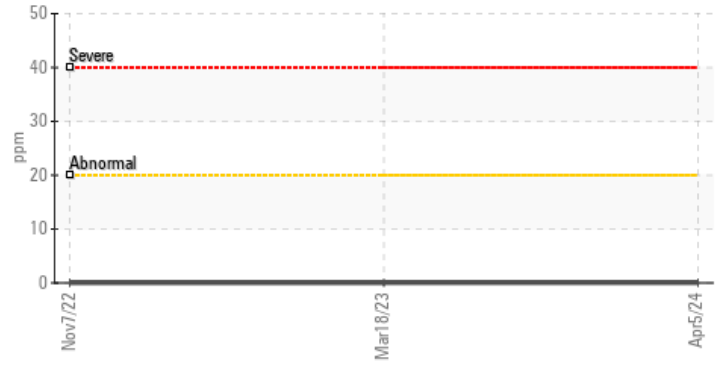


## GRAPHS

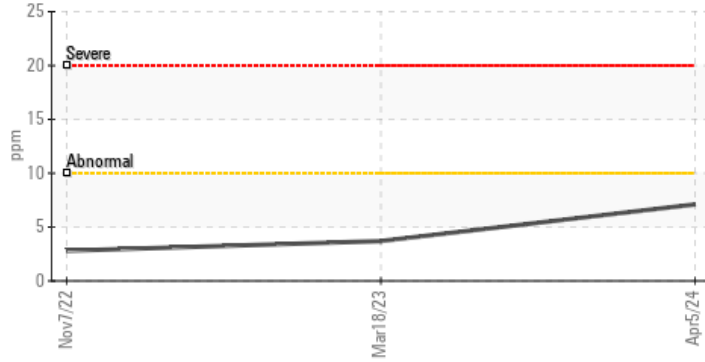
### Iron (ppm)



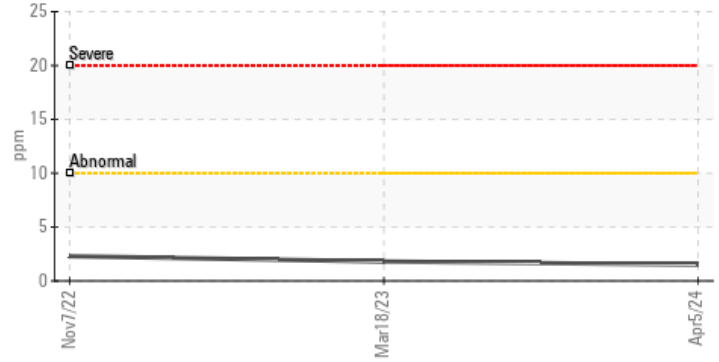
### Lead (ppm)



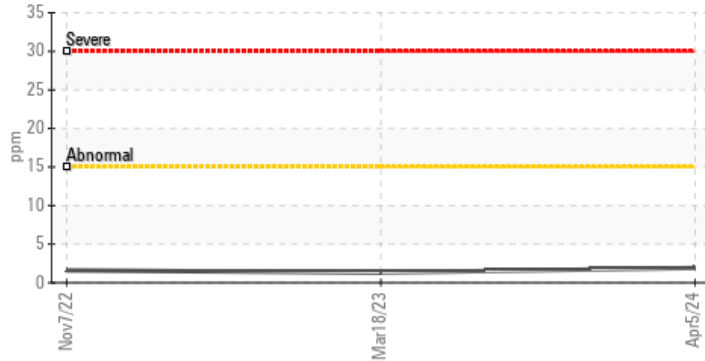
### Aluminum (ppm)



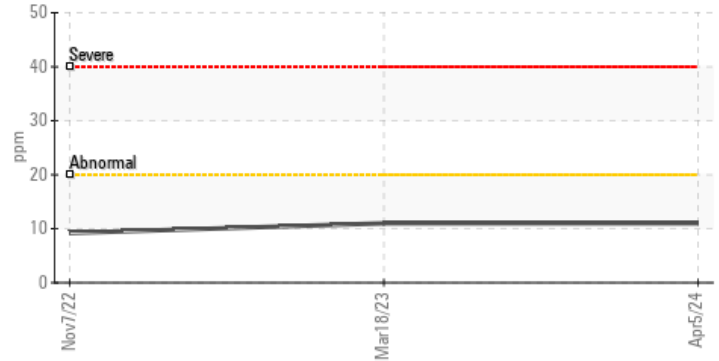
### Chromium (ppm)



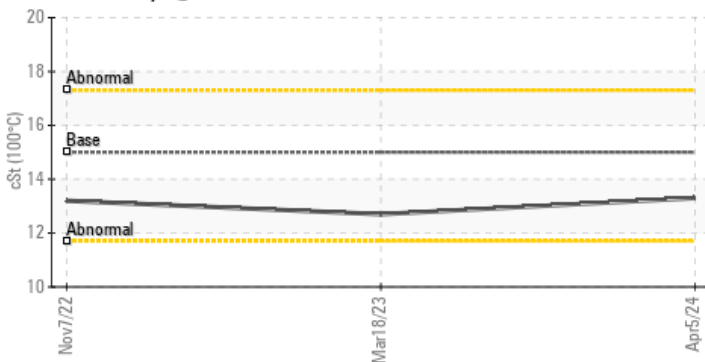
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

