



# CONSTRUCTION EQUIPMENT

## 136104 VOLVO EC750E 314191 - DIESEL ENGINE



**Sample No:** VCP434649  
**Oil Type:** {unknown}  
**Job No:** 136104



### SAMPLE INFORMATION

Sample Number	<b>VCP434649</b>	VCP443219	VCP434236	VCP430195
Sample Date	<b>17 Apr 2024</b>	20 Feb 2024	08 Dec 2023	29 Sep 2023
Machine Hours	<b>3963</b>	3520	3036	2487
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE  
 14242 S SH-34  
 SCURRY, TX  
 US 75158  
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 T:  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.6	12.8	12.6
Base Number (BN)	mg KOH/g	<b>6.6</b>	7.6	4.6	7.3
Oxidation (PA)	%	<b>79</b>	67	104	81



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>1</b>	0.6	1.2	0.6
Nitration (PA)	%	<b>80</b>	64	93	74
Sulfation (PA)	%	<b>63</b>	59	74	69
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>7</b>	7	12	7
Sodium	ppm	<b>3</b>	3	0	3
Potassium	ppm	<b>22</b>	16	3	<1



### WEAR METALS

Iron	ppm	<b>23</b>	14	54	13
Copper	ppm	<b>17</b>	13	20	16
Lead	ppm	<b>1</b>	<1	3	0
Tin	ppm	<b>1</b>	1	2	<1
Aluminum	ppm	<b>8</b>	7	4	3
Chromium	ppm	<b>&lt;1</b>	1	1	0
Molybdenum	ppm	<b>67</b>	73	131	126
Nickel	ppm	<b>&lt;1</b>	2	4	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>1267</b>	1220	1530	1568
Magnesium	ppm	<b>662</b>	703	650	713
Zinc	ppm	<b>808</b>	959	807	859
Phosphorus	ppm	<b>655</b>	772	610	695
Barium	ppm	<b>0</b>	34	11	0
Boron	ppm	<b>40</b>	80	66	193

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:** LATSCU  
**Unique No:** 10990971  
**Signed:** Jonathan Hester  
**Report Date:** 24 Apr 2024

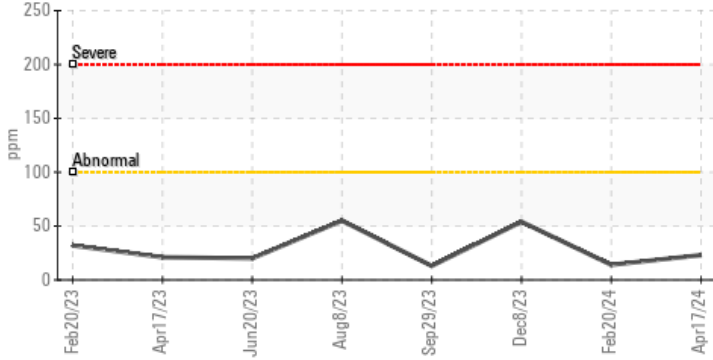


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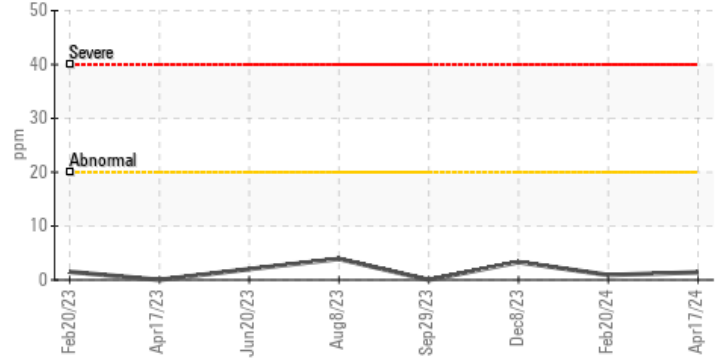


## GRAPHS

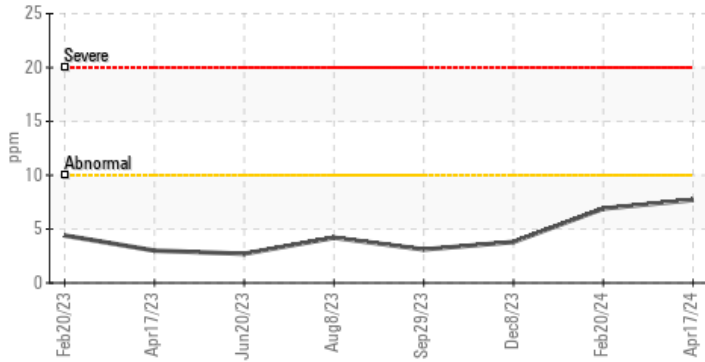
### Iron (ppm)



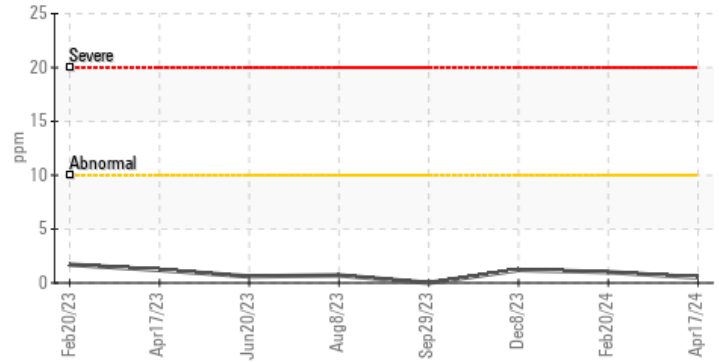
### Lead (ppm)



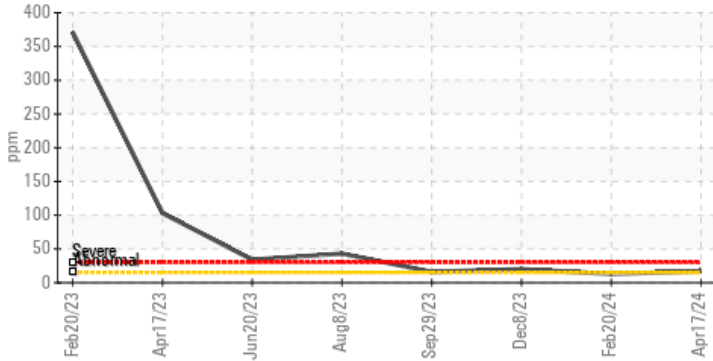
### Aluminum (ppm)



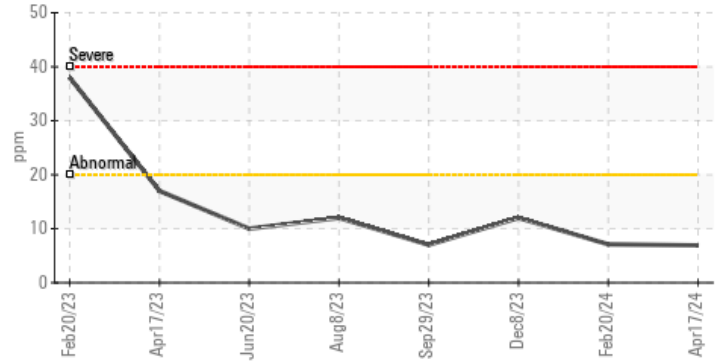
### Chromium (ppm)



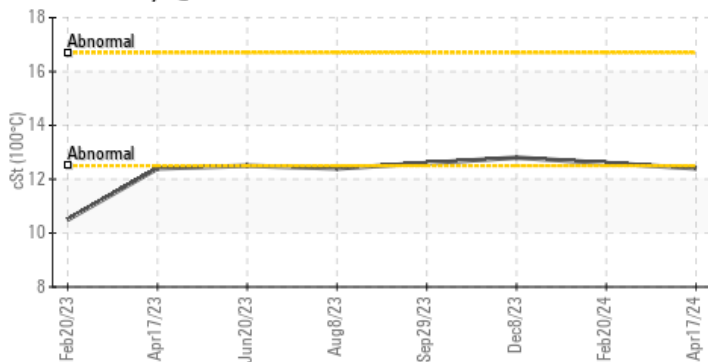
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

