



# CONSTRUCTION EQUIPMENT

## 133988 VOLVO EC750E 314191 - DIESEL ENGINE



**Sample No:** VCP416018

**Oil Type:** NOT GIVEN

**Job No:** 133988



### SAMPLE INFORMATION

Sample Number	<b>VCP416018</b>	VCP419099	VCP410113	VCP315662
Sample Date	<b>08 Aug 2023</b>	20 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	<b>2037</b>	1596	985	488
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	ABNORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.5	12.4	10.5
Base Number (BN)	mg KOH/g	<b>5.2</b>	6.5	5.8	6.1
Oxidation (PA)	%	<b>95</b>	84	75	67



### CONTAMINATION

Soot %	%	<b>1.1</b>	0.7	0.5	0.3
Nitration (PA)	%	<b>92</b>	78	73	77
Sulfation (PA)	%	<b>70</b>	68	60	55
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	0.8
Silicon	ppm	<b>12</b>	10	17	38
Sodium	ppm	<b>0</b>	4	3	2
Potassium	ppm	<b>5</b>	3	1	6



### WEAR METALS

Iron	ppm	<b>55</b>	20	21	32
Copper	ppm	<b>43</b>	34	103	371
Lead	ppm	<b>4</b>	2	0	2
Tin	ppm	<b>3</b>	3	3	6
Aluminum	ppm	<b>4</b>	3	3	4
Chromium	ppm	<b>&lt;1</b>	<1	1	2
Molybdenum	ppm	<b>136</b>	129	111	90
Nickel	ppm	<b>2</b>	1	<1	2
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1678</b>	1659	1555	2242
Magnesium	ppm	<b>651</b>	712	513	63
Zinc	ppm	<b>872</b>	894	783	1130
Phosphorus	ppm	<b>683</b>	701	660	933
Barium	ppm	<b>2</b>	0	0	<1
Boron	ppm	<b>44</b>	151	159	40

### Diagnosis

Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.

**Depot:** LATSCU  
**Unique No:** 10603070  
**Signed:** Jonathan Hester  
**Report Date:** 14 Aug 2023

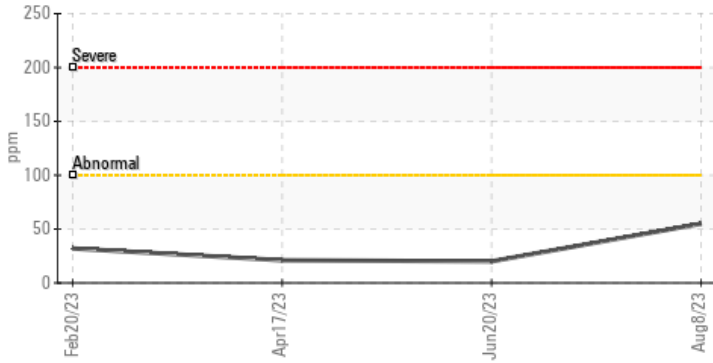


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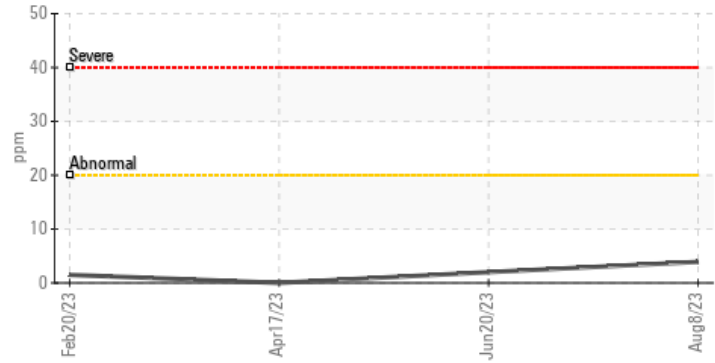


## GRAPHS

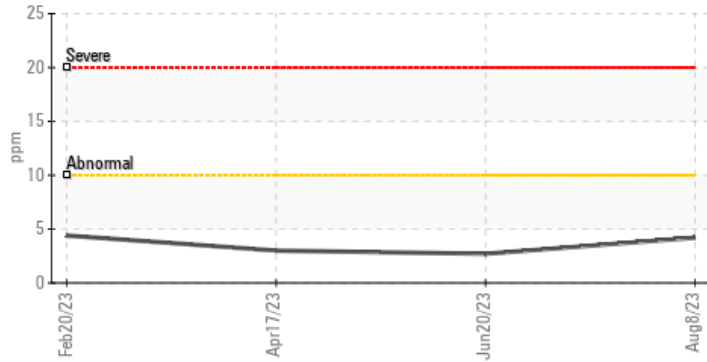
### Iron (ppm)



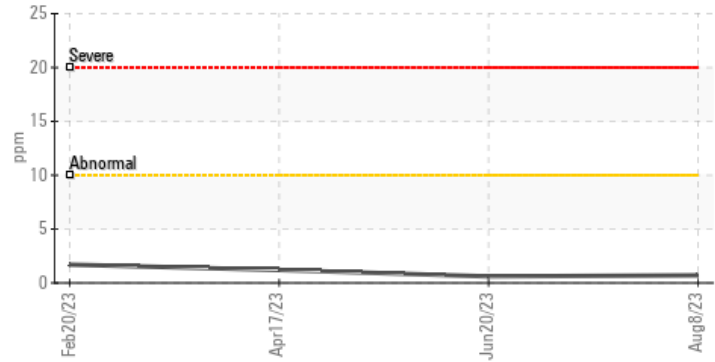
### Lead (ppm)



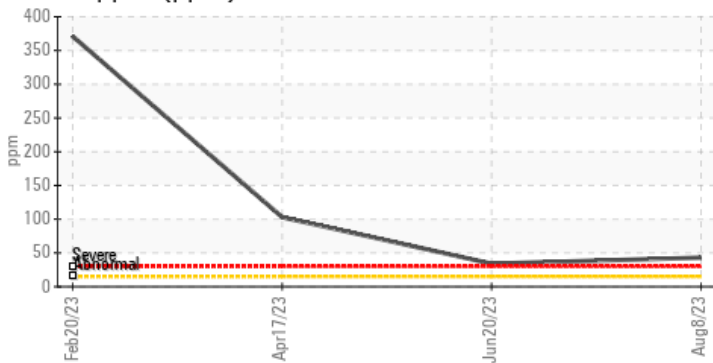
### Aluminum (ppm)



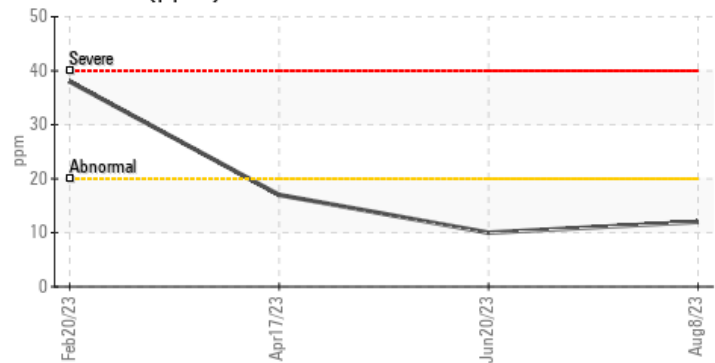
### Chromium (ppm)



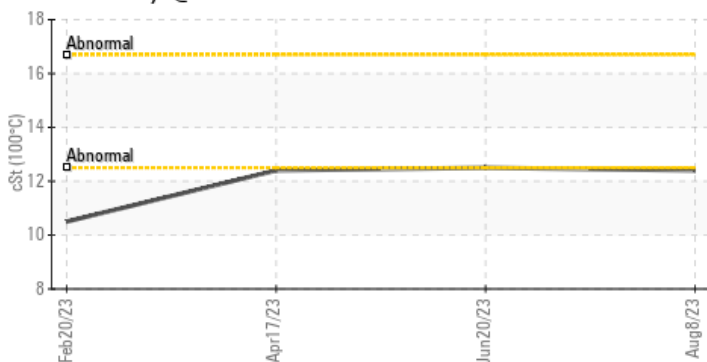
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

