



# CONSTRUCTION EQUIPMENT

## 133979 VOLVO EC750E 314194 - DIESEL ENGINE



**Sample No:** VCP423802  
**Oil Type:** NOT GIVEN  
**Job No:** 133979



### SAMPLE INFORMATION

Sample Number	<b>VCP423802</b>	VCP418738	VCP419754	VCP382685
Sample Date	<b>07 Aug 2023</b>	20 Jun 2023	01 May 2023	06 Mar 2023
Machine Hours	<b>1964</b>	1488	1014	522
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  
 14242 S SH-34  
 SCURRY, TX  
 US 75158  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>11.8</b>	12.1	11.8	10.3
Base Number (BN)	mg KOH/g	<b>4.1</b>	6.4	5.8	5.8
Oxidation (PA)	%	<b>108</b>	86	78	73



### CONTAMINATION

Soot %	%	<b>0.9</b>	0.4	0.4	0.4
Nitration (PA)	%	<b>94</b>	75	73	83
Sulfation (PA)	%	<b>75</b>	69	61	59
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	1.1
Silicon	ppm	<b>11</b>	9	13	34
Sodium	ppm	<b>0</b>	2	2	7
Potassium	ppm	<b>5</b>	2	6	22



### WEAR METALS

Iron	ppm	<b>43</b>	10	16	31
Copper	ppm	<b>37</b>	29	85	234
Lead	ppm	<b>3</b>	<1	0	5
Tin	ppm	<b>2</b>	1	1	5
Aluminum	ppm	<b>4</b>	2	3	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>137</b>	125	111	81
Nickel	ppm	<b>2</b>	<1	<1	3
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	3
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1636</b>	1634	1589	2132
Magnesium	ppm	<b>628</b>	699	500	44
Zinc	ppm	<b>843</b>	899	862	1084
Phosphorus	ppm	<b>655</b>	721	669	837
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>40</b>	172	156	21

### 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:** 10603072  
**Signed:** Jonathan Hester  
**Report Date:** 14 Aug 2023



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## GRAPHS

