



# CONSTRUCTION EQUIPMENT

## 0630 VOLVO EC750E 314043 - DIESEL ENGINE



**Sample No:** VCP438968  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 0630



### SAMPLE INFORMATION

Sample Number	<b>VCP438968</b>	VCP440297	VCP406003	VCP398641
Sample Date	<b>17 Jan 2024</b>	21 Sep 2023	20 Apr 2023	07 Feb 2023
Machine Hours	<b>4913</b>	4441	3513	2974
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	NORMAL

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER

### OIL CONDITION

Visc @ 100°C	cSt	<b>▲ 11.7</b>	■ 12.0	■ 13.0	■ 13.3
Base Number (BN)	mg KOH/g	<b>■ 7.5</b>	■ 8.3	■ 8.4	■ 8.8
Oxidation (PA)	%	<b>79</b>	82	74	79

T: (772)461-3020  
 F:

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>■ 0.7</b>	■ 0.7	■ 0.7	■ 0.7
Nitration (PA)	%	<b>60</b>	61	68	69
Sulfation (PA)	%	<b>65</b>	66	60	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	■ 0.5	<1.0	<1.0
Silicon	ppm	<b>■ 7</b>	■ 4	■ 4	■ 5
Sodium	ppm	<b>■ 0</b>	■ <1	■ 2	■ 2
Potassium	ppm	<b>■ 2</b>	■ <1	■ 0	■ 0

### WEAR METALS

Iron	ppm	<b>■ 10</b>	■ 6	■ 8	■ 9
Copper	ppm	<b>■ 2</b>	■ 2	■ <1	■ <1
Lead	ppm	<b>■ 2</b>	■ <1	■ 0	■ 1
Tin	ppm	<b>■ 2</b>	■ <1	■ 0	■ <1
Aluminum	ppm	<b>■ 2</b>	■ 2	■ <1	■ 0
Chromium	ppm	<b>■ &lt;1</b>	■ <1	■ 0	■ <1
Molybdenum	ppm	<b>■ 39</b>	■ 39	■ 53	■ 46
Nickel	ppm	<b>■ 2</b>	■ <1	■ 0	■ 1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Manganese	ppm	<b>■ 1</b>	■ <1	■ <1	■ <1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>■ 1367</b>	■ 1502	■ 1590	■ 1664
Magnesium	ppm	<b>■ 459</b>	■ 419	■ 617	■ 599
Zinc	ppm	<b>■ 1083</b>	■ 1048	■ 1228	■ 1161
Phosphorus	ppm	<b>■ 809</b>	■ 833	■ 958	■ 881
Barium	ppm	<b>■ 1</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 23</b>	■ 21	■ 25	■ 25

**Depot:** BLUFOR  
**Unique No:** 10844818  
**Signed:** Don Baldrige  
**Report Date:** 29 Jan 2024



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## GRAPHS

