



# CONSTRUCTION EQUIPMENT

## 701480 VOLVO EC750E 314043 - RIGHT SWING DRIVE



**Sample No:** VCP447408  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 701480



### SAMPLE INFORMATION

Sample Number	<b>VCP447408</b>	VCP439246	VCP440111	VCP417716
Sample Date	<b>10 Apr 2024</b>	17 Jan 2024	21 Sep 2023	05 Jul 2023
Machine Hours	<b>5380</b>	4913	4441	3974
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	SEVERE	NORMAL	NORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>298</b>	312	301	250
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T: (772)461-3020  
 F:



### CONTAMINATION

Water	%	<b>NEG</b>	▲ 2.65	NEG	NEG
Silicon	ppm	<b>▲ 101</b>	10	7	7
Sodium	ppm	<b>2</b>	4	0	<1
Potassium	ppm	<b>2</b>	1	<1	0

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>444</b>	187	39	137
Copper	ppm	<b>8</b>	9	2	9
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	2	0	0
Aluminum	ppm	<b>9</b>	1	0	<1
Chromium	ppm	<b>5</b>	1	<1	<1
Molybdenum	ppm	<b>2</b>	3	3	8
Nickel	ppm	<b>1</b>	0	<1	0
Titanium	ppm	<b>1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	2	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>79</b>	71	67	130
Magnesium	ppm	<b>10</b>	16	16	39
Zinc	ppm	<b>41</b>	55	52	100
Phosphorus	ppm	<b>1483</b>	1069	1021	992
Barium	ppm	<b>2</b>	1	0	0
Boron	ppm	<b>242</b>	139	199	169

**Depot:** BLUFOR  
**Unique No:** 10979123  
**Signed:** Sean Felton  
**Report Date:** 17 Apr 2024



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## VOLVO GRAPHS

