



# CONSTRUCTION EQUIPMENT

## 701480 VOLVO EC750E 314043 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP447401  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 701480



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

T: (772)461-3020  
 F:



### SAMPLE INFORMATION

Sample Number	<b>VCP447401</b>	VCP439245	VCP440112	VCP417620
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>SEVERE</b>	ABNORMAL	ABNORMAL	ABNORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>248</b>	292	286	241
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>▲ 577</b>	▲ 252	▲ 190	▲ 201
Sodium	ppm	■ 2	■ 2	■ <1	■ 2
Potassium	ppm	■ 6	■ 2	■ 3	■ <1



### WEAR METALS

Iron	ppm	<b>▲ 1441</b>	▲ 1047	▲ 782	▲ 1264
Copper	ppm	■ 4	■ 2	■ 2	■ 0
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	<b>▲ 38</b>	● 27	● 23	● 18
Chromium	ppm	<b>▲ 11</b>	■ 8	■ 6	■ 10
Molybdenum	ppm	■ 4	■ 4	■ 4	■ 6
Nickel	ppm	■ 5	■ 3	■ 3	■ 2
Titanium	ppm	<b>3</b>	2	2	1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	■ 12	■ 9	■ 6	■ 10
Vanadium	ppm	<b>&lt;1</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	■ 594	■ 198	■ 119	■ 130
Magnesium	ppm	■ 16	■ 20	■ 22	■ 27
Zinc	ppm	■ 191	■ 58	■ 48	■ 75
Phosphorus	ppm	■ 1020	■ 984	■ 1021	■ 838
Barium	ppm	■ 2	■ 2	■ 0	■ 2
Boron	ppm	■ 164	■ 146	■ 169	■ 87

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** BLUFOR  
**Unique No:** 10979121  
**Signed:** Sean Felton  
**Report Date:** 17 Apr 2024



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## GRAPHS

