



# CONSTRUCTION EQUIPMENT

## 607511 VOLVO EC750E 314043 - REAR LEFT FINAL DRIVE



**Sample No:** VCP440114  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 607511



### SAMPLE INFORMATION

Sample Number	<b>VCP440114</b>	VCP408697	VCP406005	VCP398645
Sample Date	<b>21 Sep 2023</b>	05 Jul 2023	20 Apr 2023	07 Feb 2023
Machine Hours	<b>4441</b>	3974	3513	2974
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>SEVERE</b>	ABNORMAL	ABNORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>291</b>	244	243	241
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T: (772)461-3020  
 F:



### CONTAMINATION

Silicon	ppm	<b>403</b>	249	280	270
Sodium	ppm	<b>1</b>	2	2	2
Potassium	ppm	<b>5</b>	2	4	4

### Diagnosis

We advise that you check all areas where dirt can enter the system. 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. Confirm oil type. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>1095</b>	1366	1272	1139
Copper	ppm	<b>2</b>	<1	3	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>48</b>	28	31	32
Chromium	ppm	<b>9</b>	10	11	10
Molybdenum	ppm	<b>4</b>	6	7	7
Nickel	ppm	<b>5</b>	2	2	4
Titanium	ppm	<b>3</b>	2	2	2
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>9</b>	10	11	10
Vanadium	ppm	<b>&lt;1</b>	<1	<1	<1



### ADDITIVES

Calcium	ppm	<b>182</b>	185	186	194
Magnesium	ppm	<b>22</b>	27	35	34
Zinc	ppm	<b>47</b>	82	80	84
Phosphorus	ppm	<b>1020</b>	836	829	822
Barium	ppm	<b>0</b>	1	6	7
Boron	ppm	<b>170</b>	88	106	115

**Depot:** BLUFOR  
**Unique No:** 10672307  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023



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## GRAPHS

