



# CONSTRUCTION EQUIPMENT

## 0630 VOLVO EC750E 314043 - REAR LEFT FINAL DRIVE



**Sample No:** VCP439249  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 0630



### SAMPLE INFORMATION

Sample Number	<b>VCP439249</b>	VCP440114	VCP408697	VCP406005
Sample Date	<b>17 Jan 2024</b>	21 Sep 2023	05 Jul 2023	20 Apr 2023
Machine Hours	<b>4913</b>	4441	3974	3513
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>SEVERE</b>	SEVERE	ABNORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>298</b>	291	244	243
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T: (772)461-3020  
 F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Silicon	ppm	<b>921</b>	403	249	280
Sodium	ppm	<b>4</b>	1	2	2
Potassium	ppm	<b>6</b>	5	2	4

**Diagnosis**  
 We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. 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.



### WEAR METALS

Iron	ppm	<b>2155</b>	1095	1366	1272
Copper	ppm	<b>5</b>	2	<1	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>70</b>	48	28	31
Chromium	ppm	<b>17</b>	9	10	11
Molybdenum	ppm	<b>5</b>	4	6	7
Nickel	ppm	<b>8</b>	5	2	2
Titanium	ppm	<b>4</b>	3	2	2
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>17</b>	9	10	11
Vanadium	ppm	<b>&lt;1</b>	<1	<1	<1



### ADDITIVES

Calcium	ppm	<b>247</b>	182	185	186
Magnesium	ppm	<b>24</b>	22	27	35
Zinc	ppm	<b>40</b>	47	82	80
Phosphorus	ppm	<b>977</b>	1020	836	829
Barium	ppm	<b>3</b>	0	1	6
Boron	ppm	<b>153</b>	170	88	106

**Depot:** BLUFOR  
**Unique No:** 10845490  
**Signed:** Sean Felton  
**Report Date:** 25 Jan 2024



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## GRAPHS

