



# CONSTRUCTION EQUIPMENT

## 136104 VOLVO EC750E 314191 - LEFT SWING DRIVE



**Sample No:** VCP434647  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 136104



**LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE**  
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### SAMPLE INFORMATION

Sample Number	<b>VCP434647</b>	VCP443220	VCP431189	VCP430779
Sample Date	<b>17 Apr 2024</b>	20 Feb 2024	08 Dec 2023	29 Sep 2023
Machine Hours	<b>3963</b>	3520	3036	2487
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>178</b>	134	131	126
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### CONTAMINATION

Water	%	<b>0.200</b>	NEG	NEG	NEG
Silicon	ppm	<b>▲ 1405</b>	4	8	6
Sodium	ppm	<b>4</b>	<1	0	<1
Potassium	ppm	<b>27</b>	2	<1	<1



### WEAR METALS

Iron	ppm	<b>▲ 3854</b>	40	70	35
Copper	ppm	<b>7</b>	1	2	1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>● 143</b>	1	1	<1
Chromium	ppm	<b>▲ 26</b>	<1	<1	<1
Molybdenum	ppm	<b>12</b>	13	0	0
Nickel	ppm	<b>7</b>	<1	0	0
Titanium	ppm	<b>9</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>29</b>	<1	0	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>364</b>	151	47	41
Magnesium	ppm	<b>67</b>	59	1	3
Zinc	ppm	<b>66</b>	92	25	32
Phosphorus	ppm	<b>781</b>	881	1020	982
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>158</b>	191	196	200

### 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. The iron level is severe. The chromium level is severe. 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:** LATSCU  
**Unique No:** 10991812  
**Signed:** Don Baldrige  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

