



# CONSTRUCTION EQUIPMENT

## X48848 WASTE CONNECT VOLVO EC250EL 310261 - REAR LEFT FINAL DRIVE



**Sample No:** VCP439915  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:** X48848 WASTE CONNECT



### SAMPLE INFORMATION

Sample Number	<b>VCP439915</b>	VCP395116	---	---
Sample Date	<b>29 Apr 2024</b>	23 Feb 2023	---	---
Machine Hours	<b>11643</b>	10848	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>N/A</b>	N/A	---	---
Sample Status	<b>ABNORMAL</b>	SEVERE	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>115</b>	157	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	1.58	---	---
Silicon	ppm	<b>242</b>	1679	---	---
Sodium	ppm	<b>9</b>	13	---	---
Potassium	ppm	<b>4</b>	30	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. 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>680</b>	1954	---	---
Copper	ppm	<b>2</b>	5	---	---
Lead	ppm	<b>0</b>	2	---	---
Tin	ppm	<b>&lt;1</b>	2	---	---
Aluminum	ppm	<b>19</b>	120	---	---
Chromium	ppm	<b>7</b>	21	---	---
Molybdenum	ppm	<b>1</b>	3	---	---
Nickel	ppm	<b>0</b>	6	---	---
Titanium	ppm	<b>3</b>	32	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>6</b>	14	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>2394</b>	1632	---	---
Magnesium	ppm	<b>12</b>	44	---	---
Zinc	ppm	<b>949</b>	731	---	---
Phosphorus	ppm	<b>780</b>	807	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>3</b>	9	---	---

**Depot:** VOLVO6244  
**Unique No:** 11008040  
**Signed:** Jonathan Hester  
**Report Date:** 07 May 2024



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## GRAPHS

