



# CONSTRUCTION EQUIPMENT

A12671 VOLVO EC350E 314755 - DIESEL ENGINE



**Sample No:** VCP453542  
**Oil Type:** MOBIL 15W40  
**Job No:** A12671



## SAMPLE INFORMATION

Sample Number	VCP453542	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	575	---	---	---
Oil Hours	575	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:



## OIL CONDITION

Visc @ 100°C	cSt	● 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 5.0	---	---	---
Oxidation (PA)	%	65	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 31	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 5	---	---	---



## WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	▲ 186	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 95	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 2113	---	---	---
Magnesium	ppm	■ 78	---	---	---
Zinc	ppm	■ 1125	---	---	---
Phosphorus	ppm	■ 874	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 40	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** WASTEL  
**Unique No:** 11048561  
**Signed:** Sean Felton  
**Report Date:** 30 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

