



# CONSTRUCTION EQUIPMENT

CENTRAL SITE VOLVO E350 3 10458 - DIESEL ENGINE



**Sample No:** VCP417065  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** CENTRAL SITE



## SAMPLE INFORMATION

Sample Number	VCP417065	---	---	---
Sample Date	20 Aug 2023	---	---	---
Machine Hours	6575	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



## OIL CONDITION

Visc @ 100°C	cSt	▲ 8.8	---	---	---
Base Number (BN)	mg KOH/g	▲ 3.7	---	---	---
Oxidation (PA)	%	75	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The BN level is low. Confirm oil type.



## CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	67	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.4	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



## WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 18	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	▲ 629	---	---	---
Magnesium	ppm	■ 184	---	---	---
Zinc	ppm	▲ 643	---	---	---
Phosphorus	ppm	▲ 547	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 10	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 10609118  
**Signed:** Jonathan Hester  
**Report Date:** 23 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

