



# CONSTRUCTION EQUIPMENT

D12383 VOLVO EC480E 3 10665 - DIESEL ENGINE



**Sample No:** VCP418673  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** D12383



## SAMPLE INFORMATION

Sample Number	VCP418673	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	6971	---	---	---
Oil Hours	125	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**A F GELHAR CO INC**  
 PO BOX 126  
 MARKESAN, WI  
 US 53946  
 Contact: SERVICE MANAGER

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 10.4	---	---	---
Oxidation (PA)	%	82	---	---	---

T: (920)398-3566  
 F:

Diagnosis

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 21	---	---	---
Potassium	ppm	█ <1	---	---	---

## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1790	---	---	---
Magnesium	ppm	█ 510	---	---	---
Zinc	ppm	█ 1166	---	---	---
Phosphorus	ppm	█ 957	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 48	---	---	---

**Depot:** AFGMAR  
**Unique No:** 10562274  
**Signed:** Jonathan Hester  
**Report Date:** 20 Jul 2023



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## GRAPHS

