



# CONSTRUCTION EQUIPMENT

620673 VOLVO A30 753223 - DIESEL ENGINE



**Sample No:** VCP431291  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 620673



## SAMPLE INFORMATION

Sample Number	<b>VCP431291</b>	VCP421868	VCP411694	---
Sample Date	<b>16 Oct 2023</b>	07 Aug 2023	03 Jul 2023	---
Machine Hours	<b>1012</b>	511	274	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	---

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER



## OIL CONDITION

Visc @ 100°C	cSt	<b>12.5</b>	12.2	10.9	---
Base Number (BN)	mg KOH/g	<b>9.1</b>	10.0	7.4	---
Oxidation (PA)	%	<b>71</b>	78	56	---

T: (772)461-3020  
 F:

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Soot %	%	<b>0.4</b>	0.2	0.3	---
Nitration (PA)	%	<b>58</b>	56	74	---
Sulfation (PA)	%	<b>58</b>	61	53	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.6	---
Silicon	ppm	<b>5</b>	12	78	---
Sodium	ppm	<b>2</b>	<1	4	---
Potassium	ppm	<b>3</b>	2	5	---



## WEAR METALS

Iron	ppm	<b>14</b>	10	16	---
Copper	ppm	<b>7</b>	25	125	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	<1	2	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>48</b>	47	83	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1500</b>	1888	2218	---
Magnesium	ppm	<b>624</b>	473	21	---
Zinc	ppm	<b>1183</b>	1195	1152	---
Phosphorus	ppm	<b>1022</b>	959	986	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>22</b>	49	54	---

**Depot:** BLUFOR  
**Unique No:** 10700628  
**Signed:** Wes Davis  
**Report Date:** 20 Oct 2023



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## GRAPHS

