



# CONSTRUCTION EQUIPMENT

## 19768 LANE-BLYTHE VOLVO A45G 352253 - DIESEL ENGINE



**Sample No:** VCP443137  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 19768 LANE-BLYTHE



### SAMPLE INFORMATION

Sample Number	<b>VCP443137</b>	VCP417563	VCP387568	VCP272626
Sample Date	<b>06 Oct 2023</b>	06 Jun 2023	24 Aug 2022	30 Apr 2020
Machine Hours	<b>5191</b>	4749	3927	526
Oil Hours	<b>0</b>	559	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
 2002 N GREENE ST  
 GREENVILLE, NC  
 US 27834  
 Contact: BRANDON JENKINS  
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM  
 T:  
 F: (704)494-8197



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	12.8	13.1	11.1
Base Number (BN)	mg KOH/g	<b>8.0</b>	6.5	5.2	---
Oxidation (PA)	%	<b>56</b>	60	66	89

### 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>0.3</b>	0.4	0.9	0.4
Nitration (PA)	%	<b>62</b>	77	91	68
Sulfation (PA)	%	<b>51</b>	59	78	69
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	5	29
Sodium	ppm	<b>&lt;1</b>	4	2	3
Potassium	ppm	<b>1</b>	0	2	<1



### WEAR METALS

Iron	ppm	<b>4</b>	9	20	22
Copper	ppm	<b>&lt;1</b>	2	8	32
Lead	ppm	<b>0</b>	2	4	2
Tin	ppm	<b>&lt;1</b>	<1	2	3
Aluminum	ppm	<b>2</b>	1	4	2
Chromium	ppm	<b>0</b>	<1	1	1
Molybdenum	ppm	<b>57</b>	29	8	38
Nickel	ppm	<b>&lt;1</b>	<1	1	4
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>1177</b>	2074	2343	1714
Magnesium	ppm	<b>956</b>	371	60	516
Zinc	ppm	<b>1318</b>	1153	1135	1016
Phosphorus	ppm	<b>1098</b>	939	916	888
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>6</b>	7	5	31

**Depot:** VOLVO8769  
**Unique No:** 10701663  
**Signed:** Don Baldrige  
**Report Date:** 21 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

