



# CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 60580 VOLVO A25G 752266 - DIESEL ENGINE



**Sample No:** VCP422215  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 60580



## SAMPLE INFORMATION

Sample Number	<b>VCP422215</b>	VCP377676	VCP0001725	---
Sample Date	<b>01 Dec 2023</b>	15 Sep 2022	03 May 2022	---
Machine Hours	<b>1845</b>	1117	542	---
Oil Hours	<b>0</b>	0	542	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	MARGINAL	ABNORMAL	---

**CD PHILEMON GRADING AND TRUCKING INC**  
 3512 TARLTON MILL RD  
 MARSHVILLE, NC  
 US 28174  
 Contact: Service Manager



## OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.3	10.8	---
Base Number (BN)	mg KOH/g	<b>7.2</b>	10.0	8.3	---
Oxidation (PA)	%	<b>63</b>	79	67	---

T:  
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

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.4</b>	0.4	0.2	---
Nitration (PA)	%	<b>69</b>	72	65	---
Sulfation (PA)	%	<b>55</b>	64	59	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>6</b>	9	36	---
Sodium	ppm	<b>0</b>	<1	2	---
Potassium	ppm	<b>3</b>	1	2	---



## WEAR METALS

Iron	ppm	<b>35</b>	18	28	---
Copper	ppm	<b>131</b>	248	456	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>1</b>	2	3	---
Aluminum	ppm	<b>1</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>66</b>	49	58	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	0	2	---
Manganese	ppm	<b>&lt;1</b>	1	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1271</b>	1654	1891	---
Magnesium	ppm	<b>841</b>	463	427	---
Zinc	ppm	<b>1218</b>	1111	1235	---
Phosphorus	ppm	<b>1035</b>	921	1098	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>7</b>	27	105	---

**Depot:** CDPMAR  
**Unique No:** 10769493  
**Signed:** Jonathan Hester  
**Report Date:** 06 Dec 2023



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## GRAPHS

