



# CONSTRUCTION EQUIPMENT

## W010713610 STANLEY VOLVO A35G 342028 - DIESEL ENGINE



**Sample No:** VCP409420  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** W010713610 STANLEY



### SAMPLE INFORMATION

Sample Number	<b>VCP409420</b>	VCP338049	VCP401291	VCP268465
Sample Date	<b>03 Dec 2023</b>	12 Apr 2023	18 Jan 2023	10 May 2022
Machine Hours	<b>8454</b>	8014	7618	6454
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	12.9	13.7	12.8
Base Number (BN)	mg KOH/g	<b>7.5</b>	7.0	8.3	8.8
Oxidation (PA)	%	<b>68</b>	61	59	84

### 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	NEG
Soot %	%	<b>0.2</b>	0.2	0.1	0.2
Nitration (PA)	%	<b>77</b>	68	60	72
Sulfation (PA)	%	<b>54</b>	50	53	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	3	3	5
Sodium	ppm	<b>23</b>	15	<1	2
Potassium	ppm	<b>4</b>	<1	0	0



### WEAR METALS

Iron	ppm	<b>15</b>	6	2	10
Copper	ppm	<b>2</b>	1	<1	1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	1	<1	2
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>51</b>	56	71	45
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1190</b>	1469	1680	1755
Magnesium	ppm	<b>713</b>	623	351	535
Zinc	ppm	<b>882</b>	994	1025	1141
Phosphorus	ppm	<b>671</b>	809	857	950
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>29</b>	50	133	39

**Depot:** VOLVO8882  
**Unique No:** 10767953  
**Signed:** Sean Felton  
**Report Date:** 05 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

