



# CONSTRUCTION EQUIPMENT

## 25376 VOLVO A30G 742165 - DIESEL ENGINE



**Sample No:** VCP454353  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 25376



### SAMPLE INFORMATION

Sample Number	<b>VCP454353</b>	VCP420536	VCP403136	VCP371877
Sample Date	<b>12 Apr 2024</b>	27 Oct 2023	13 Mar 2023	24 Aug 2022
Machine Hours	<b>5307</b>	5150	4530	4260
Oil Hours	<b>0</b>	1000	1000	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

**SANDERS BROTHERS CONSTRUCTION**  
 1990 HARLEY STREET  
 NORTH CHARLESTON, SC  
 US 29411  
 Contact: MARC WATSON  
 marc.watson@sandersbrothers.com  
 T: (843)744-4261  
 F: (843)747-3909

### OIL CONDITION

Visc @ 100°C	cSt	<b>12.4</b>	12.6	12.6	12.1
Base Number (BN)	mg KOH/g	<b>9.7</b>	8.0	9.9	9.9
Oxidation (PA)	%	<b>76</b>	70	77	81

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.4	0.3	0.5
Nitration (PA)	%	<b>53</b>	58	56	79
Sulfation (PA)	%	<b>59</b>	58	61	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	2.1
Silicon	ppm	<b>5</b>	6	6	4
Sodium	ppm	<b>2</b>	3	3	0
Potassium	ppm	<b>2</b>	0	1	<1

### 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.

### WEAR METALS

Iron	ppm	<b>6</b>	8	5	12
Copper	ppm	<b>&lt;1</b>	1	<1	2
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	2	1	3
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>43</b>	56	42	45
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	<1	0

### ADDITIVES

Calcium	ppm	<b>1575</b>	1567	1677	1597
Magnesium	ppm	<b>458</b>	484	486	463
Zinc	ppm	<b>990</b>	1211	1090	1080
Phosphorus	ppm	<b>875</b>	920	880	900
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>81</b>	162	55	51

**Depot:** SANNOR  
**Unique No:** 10981654  
**Signed:** Wes Davis  
**Report Date:** 19 Apr 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

