



# CONSTRUCTION EQUIPMENT

## 607424 APTIM VOLVO A30G 740210 - DIESEL ENGINE



**Sample No:** VCP432484  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 607424 APTIM



### SAMPLE INFORMATION

Sample Number	<b>VCP432484</b>	VCP422460	VCP216369	VCP212418
Sample Date	<b>13 Oct 2023</b>	19 Apr 2023	25 Oct 2017	25 Oct 2017
Machine Hours	<b>8468</b>	7977	2012	2012
Oil Hours	<b>500</b>	500	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: JOHN FARDELLA  
 john.fardella@altg.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.3</b>	12.2	12.24	▲ 11.75
Base Number (BN)	mg KOH/g	<b>9.1</b>	9.5	---	---
Oxidation (PA)	%	<b>77</b>	78	56	60

### 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>0.4</b>	0.3	0.1	0
Nitration (PA)	%	<b>66</b>	63	58	58
Sulfation (PA)	%	<b>61</b>	61	47	50
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	1.3	<1.0	▲ 2.4
Silicon	ppm	<b>22</b>	8	12	7
Sodium	ppm	<b>2</b>	4	3	3
Potassium	ppm	<b>0</b>	3	0	0



### WEAR METALS

Iron	ppm	<b>23</b>	12	16	10
Copper	ppm	<b>1</b>	<1	225	44
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	1	0	2
Aluminum	ppm	<b>19</b>	2	3	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>48</b>	51	24	30
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>1</b>	<1	7	7
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>1536</b>	1574	1686	1434
Magnesium	ppm	<b>554</b>	507	400	522
Zinc	ppm	<b>1115</b>	1138	1038	806
Phosphorus	ppm	<b>924</b>	936	858	755
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>40</b>	46	12	28

**Depot:** VOLVO0093  
**Unique No:** 10752971  
**Signed:** Wes Davis  
**Report Date:** 22 Nov 2023



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## GRAPHS

