



# CONSTRUCTION EQUIPMENT

606949 ALTA RENTS TAKEUCHI TL10 410006539 - DIESEL ENGINE



**Sample No:** VCP432762  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 606949 ALTA RENTS



## SAMPLE INFORMATION

Sample Number	<b>VCP432762</b>	VCP411665	VCP421088	---
Sample Date	<b>14 Sep 2023</b>	31 May 2023	21 Mar 2023	---
Machine Hours	<b>977</b>	437	169	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



## OIL CONDITION

Visc @ 100°C	cSt	<b>14.6</b>	14.9	▲ 12.1	---
Base Number (BN)	mg KOH/g	<b>7.7</b>	9.2	6.9	---
Oxidation (PA)	%	<b>89</b>	88	64	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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>0.5</b>	0.3	0.2	---
Nitration (PA)	%	<b>93</b>	78	77	---
Sulfation (PA)	%	<b>65</b>	65	58	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	1.2	---
Silicon	ppm	<b>4</b>	4	2	---
Sodium	ppm	<b>3</b>	0	0	---
Potassium	ppm	<b>2</b>	2	2	---



## WEAR METALS

Iron	ppm	<b>18</b>	17	4	---
Copper	ppm	<b>3</b>	13	<1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	0	---
Molybdenum	ppm	<b>53</b>	56	56	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1805</b>	2003	1027	---
Magnesium	ppm	<b>893</b>	448	885	---
Zinc	ppm	<b>1494</b>	1274	1156	---
Phosphorus	ppm	<b>1154</b>	1034	979	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>26</b>	14	0	---

**Depot:** VOLVO0096  
**Unique No:** 10649671  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

