



# CONSTRUCTION EQUIPMENT

621895 ALTA RENTS TAKEUCHI TL6 406003097 - DIESEL ENGINE



**Sample No:** VCP431264  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 621895 ALTA RENTS



## SAMPLE INFORMATION

Sample Number	VCP431264	VCP370646	---	---
Sample Date	30 Oct 2023	12 Dec 2022	---	---
Machine Hours	472	200	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	█ 12.8	▲ 10.8	---	---
Base Number (BN)	mg KOH/g	█ 8.5	█ 8.4	---	---
Oxidation (PA)	%	90	47	---	---

## 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 %	%	█ 1.2	█ 0.6	---	---
Nitration (PA)	%	94	75	---	---
Sulfation (PA)	%	68	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.9	---	---
Silicon	ppm	█ 9	█ 16	---	---
Sodium	ppm	█ 0	█ 6	---	---
Potassium	ppm	█ 2	█ 1	---	---



## WEAR METALS

Iron	ppm	█ 85	█ 55	---	---
Copper	ppm	█ 37	█ 79	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 4	█ 6	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 42	█ 5	---	---
Nickel	ppm	█ 1	█ 1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 4	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	█ 1977	█ 2798	---	---
Magnesium	ppm	█ 453	█ 23	---	---
Zinc	ppm	█ 1193	█ 1083	---	---
Phosphorus	ppm	█ 916	█ 828	---	---
Barium	ppm	█ 2	█ 6	---	---
Boron	ppm	█ 18	█ 3	---	---

**Depot:** VOLVO0096  
**Unique No:** 10724893  
**Signed:** Wes Davis  
**Report Date:** 02 Nov 2023



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## GRAPHS

