



# CONSTRUCTION EQUIPMENT

W07013275-1 VOLVO A30G 742486 - DIESEL ENGINE



**Sample No:** VCP393201  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** W07013275-1



## SAMPLE INFORMATION

Sample Number	VCP393201	VCP336409	---	---
Sample Date	30 Aug 2023	22 Oct 2021	---	---
Machine Hours	3416	1567	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
1345 MOUNTAIN ROAD  
GLEN ALLEN, VA  
US 23060  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	▲ 11.9	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	76	75	---	---



## CONTAMINATION

Soot %	%	■ 0.4	■ 0.3	---	---
Nitration (PA)	%	62	64	---	---
Sulfation (PA)	%	61	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 3.5	▲ 2.5	---	---
Silicon	ppm	■ 8	■ 6	---	---
Sodium	ppm	■ 3	■ 12	---	---
Potassium	ppm	■ 0	■ <1	---	---



## WEAR METALS

Iron	ppm	■ 10	■ 10	---	---
Copper	ppm	■ 2	■ 7	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ <1	■ 1	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 45	■ 55	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	0	---	---
Manganese	ppm	■ <1	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	■ 1608	■ 1463	---	---
Magnesium	ppm	■ 657	■ 609	---	---
Zinc	ppm	■ 1224	■ 1171	---	---
Phosphorus	ppm	■ 1011	■ 946	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 57	■ 58	---	---

## Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO8882  
**Unique No:** 10632419  
**Signed:** Wes Davis  
**Report Date:** 06 Sep 2023



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## GRAPHS

