



# CONSTRUCTION EQUIPMENT

## SUPERIOR VOLVO A30G 753239 - DIESEL ENGINE



**Sample No:** VCP435618  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SUPERIOR



### SAMPLE INFORMATION

Sample Number	VCP435618	VCP400677	---	---
Sample Date	12 Feb 2024	19 Sep 2023	---	---
Machine Hours	1261	610	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 8.3	█ 10.5	---	---
Oxidation (PA)	%	74	86	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Exhaust valve wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.5	█ 0	---	---
Nitration (PA)	%	73	53	---	---
Sulfation (PA)	%	59	70	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 9	---	---
Sodium	ppm	█ 1	█ 4	---	---
Potassium	ppm	█ 3	█ 1	---	---



### WEAR METALS

Iron	ppm	█ 12	█ 5	---	---
Copper	ppm	█ 7	█ 59	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 44	█ 45	---	---
Nickel	ppm	▲ 3	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 1	█ 2	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	█ 1450	█ 1756	---	---
Magnesium	ppm	█ 438	█ 447	---	---
Zinc	ppm	█ 1067	█ 1130	---	---
Phosphorus	ppm	█ 888	█ 965	---	---
Barium	ppm	█ 1	█ 0	---	---
Boron	ppm	█ 27	█ 73	---	---

**Depot:** VOLVO0093  
**Unique No:** 10900466  
**Signed:** Sean Felton  
**Report Date:** 29 Feb 2024



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## GRAPHS

