



# CONSTRUCTION EQUIPMENT

702244 RENTAL VOLVO A30G 753626 - DIESEL ENGINE



**Sample No:** VCP451310  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 702244 RENTAL



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## SAMPLE INFORMATION

Sample Number	VCP451310	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	727	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	● 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 5.0	---	---	---
Oxidation (PA)	%	■ 60	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	■ 80	---	---	---
Sulfation (PA)	%	■ 60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	▲ 38	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 31	---	---	---
Copper	ppm	■ 227	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 67	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 2201	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 1025	---	---	---
Phosphorus	ppm	■ 858	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10990965  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT

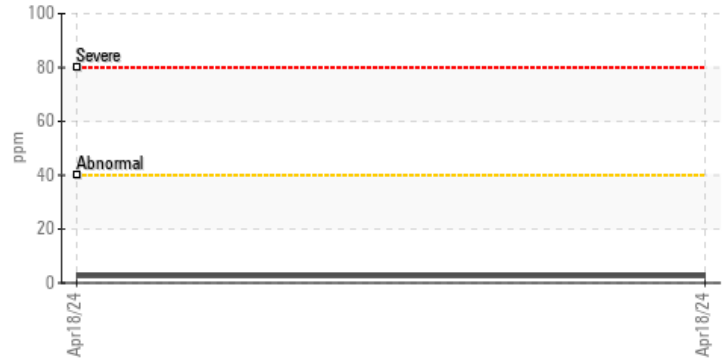


## GRAPHS

### Iron (ppm)



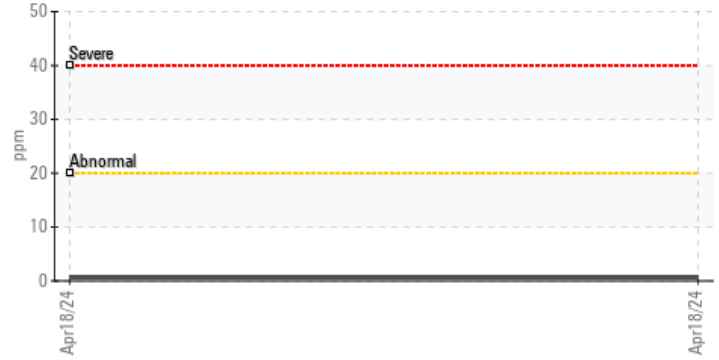
### Lead (ppm)



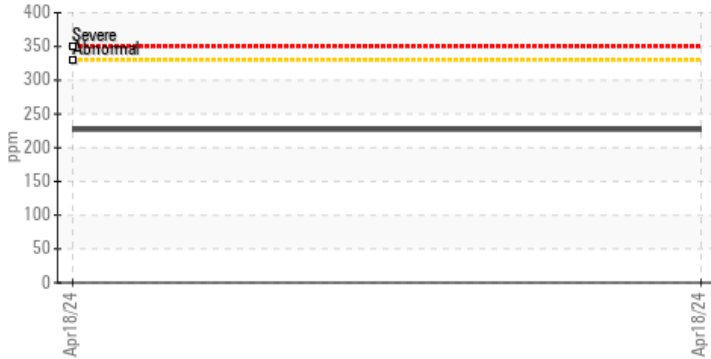
### Aluminum (ppm)



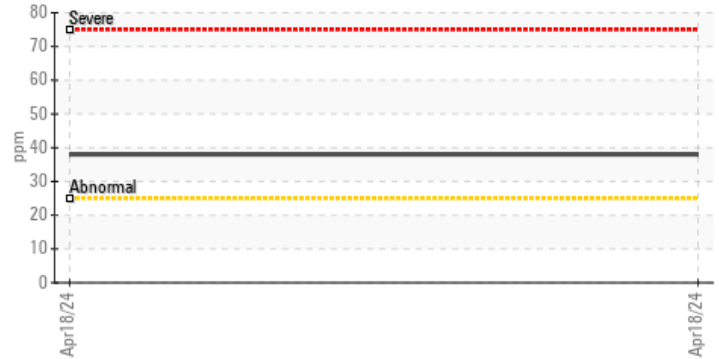
### Chromium (ppm)



### Copper (ppm)



### ▲ Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

