



# CONSTRUCTION EQUIPMENT

## 26002 VOLVO A40G 752144 - DIESEL ENGINE



**Sample No:** VCP449829  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 26002



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### SAMPLE INFORMATION

Sample Number	VCP449829	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	1086	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



### OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 5.0	---	---	---
Oxidation (PA)	%	■ 64	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 80	---	---	---
Sulfation (PA)	%	■ 61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 23	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---



### WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 191	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 2205	---	---	---
Magnesium	ppm	■ 66	---	---	---
Zinc	ppm	■ 1165	---	---	---
Phosphorus	ppm	■ 1001	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 23	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLVO3387  
**Unique No:** 11102340  
**Signed:** Jonathan Hester  
**Report Date:** 03 Jul 2024

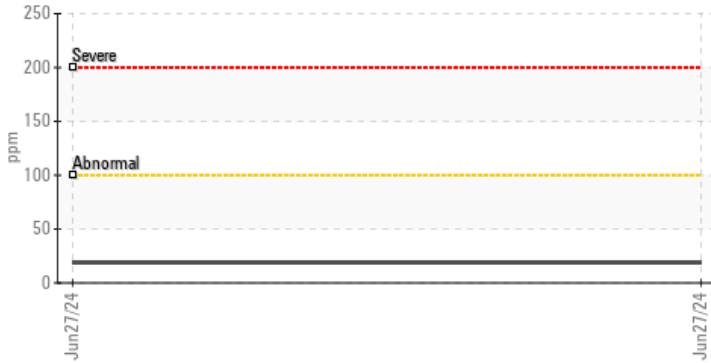


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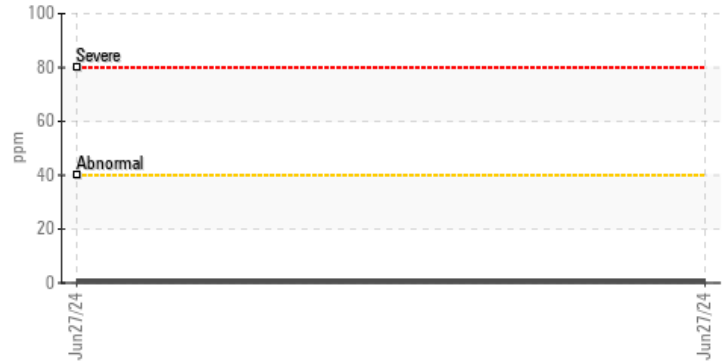


## GRAPHS

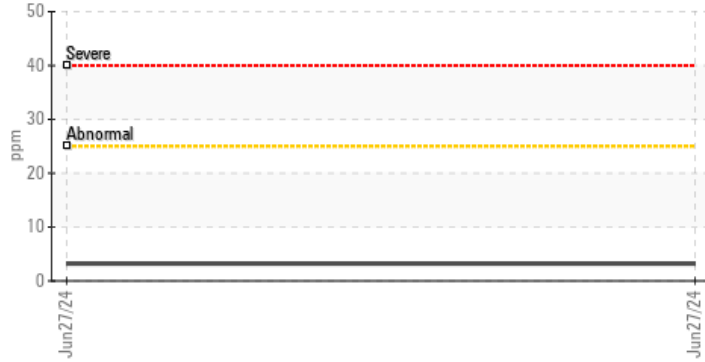
### Iron (ppm)



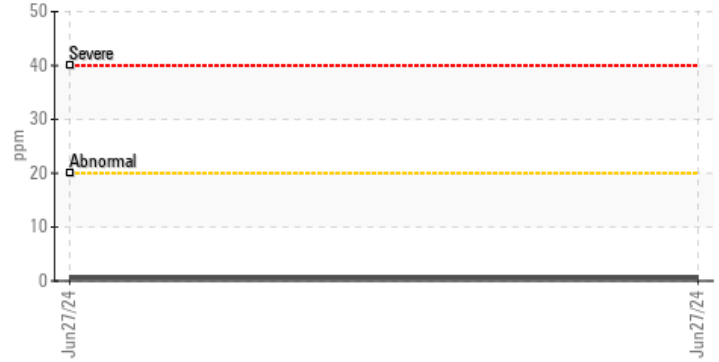
### Lead (ppm)



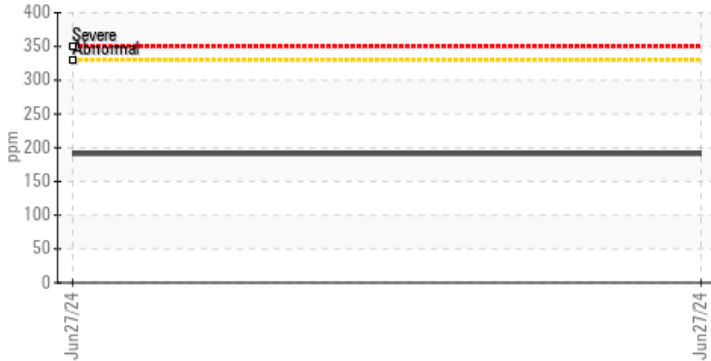
### Aluminum (ppm)



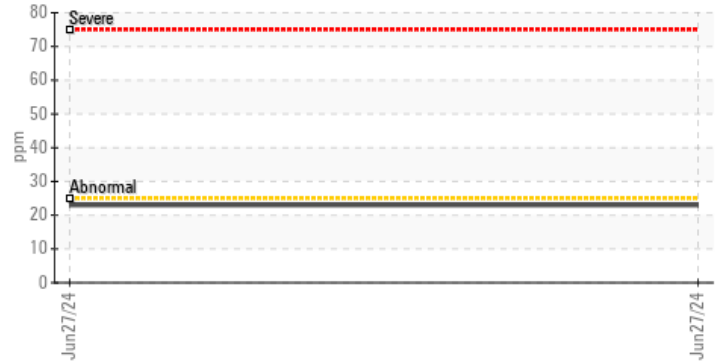
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

