



# CONSTRUCTION EQUIPMENT

## SPM703604 RENTALS VOLVO A40G 702285 - DIESEL ENGINE



**Sample No:** VCP447011  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SPM703604 RENTALS



### SAMPLE INFORMATION

Sample Number	VCP447011	---	---	---
Sample Date	07 May 2024	---	---	---
Machine Hours	697	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

### ALTA EQUIPMENT COMPANY

5210 REESE ROAD  
 DAVIE, FL  
 US 33314

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 T: (954)581-4744  
 F: (954)583-0318



### OIL CONDITION

Visc @ 100°C	cSt	● 11.3	---	---	---
Base Number (BN)	mg KOH/g	■ 4.7	---	---	---
Oxidation (PA)	%	61	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 28	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---



### WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 153	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 85	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 2293	---	---	---
Magnesium	ppm	25	---	---	---
Zinc	ppm	■ 1106	---	---	---
Phosphorus	ppm	■ 951	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 17	---	---	---

**Depot:** VOLVO0095  
**Unique No:** 11021131  
**Signed:** Don Baldrige  
**Report Date:** 15 May 2024

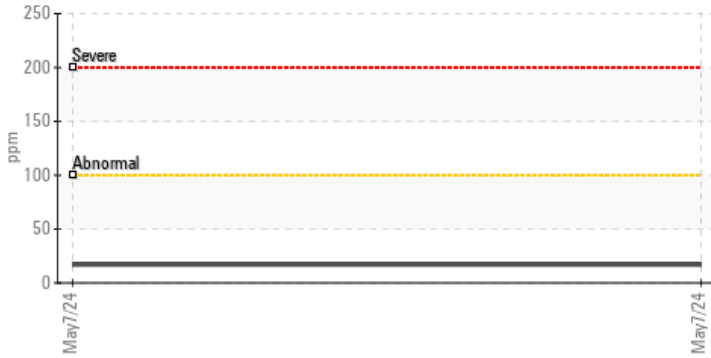


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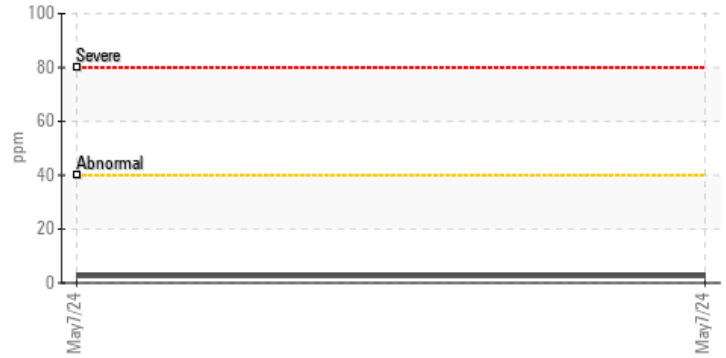


## GRAPHS

### Iron (ppm)



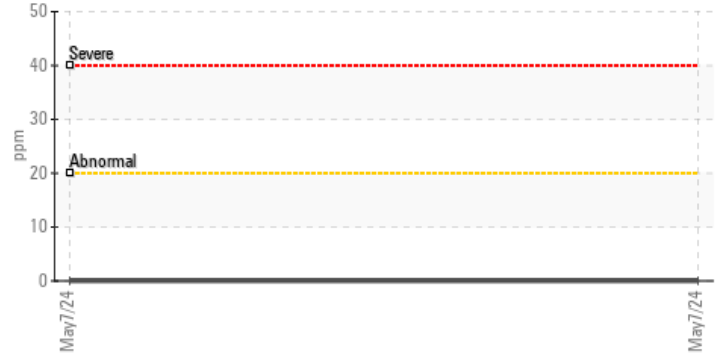
### Lead (ppm)



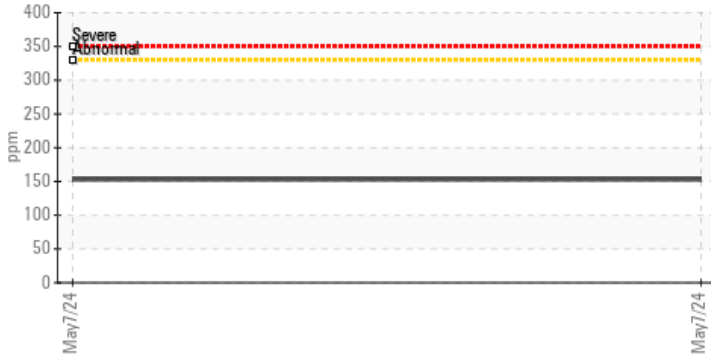
### Aluminum (ppm)



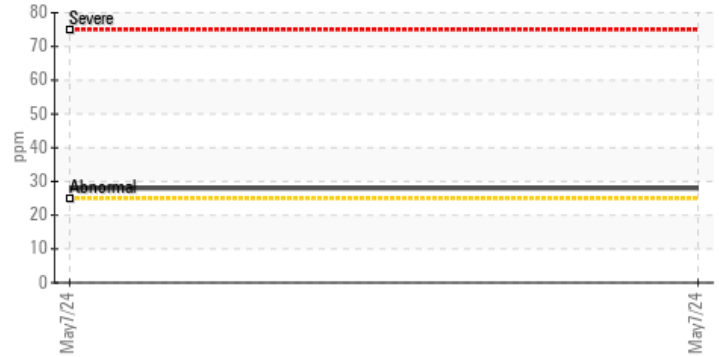
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

