## CONSTRUCTION EQUIPMENT 634785 VOLVO A40G 752073 - DIESEL ENGINE



## Sample No: VCP433435

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	634785

#### SAMPLE INFORMATION Sample Number VCP433435 Sample Date 30 Nov 2023 Machine Hours 527 527 Oil Hours Oil Changed Changed ATTENTION Sample Status **OIL CONDITION** F: Visc @ 100°C cSt **11.0** Base Number (BN) mg KOH/g 5.4 Oxidation (PA) % 56 CONTAMINATION NEG % Water

Soot %	%	0.2	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	0.4	 	
Silicon	ppm	30	 	
Sodium	ppm	2	 	
Potassium	ppm	5	 	

### WEAR MET

WLAR I	METALS			
Iron	ppm	17	 	
Copper	ppm	281	 	
Lead	ppm	3	 	
Tin	ppm	3	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	84	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

#### **ADDITIVES** 2132 Calcium ppm 61 Magnesium ppm ppm Zinc 1233 1048 Phosphorus ppm Barium 0 🔲 ppm 32 Boron ppm



### **RIPA AND ASSOCIATES**

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: ROBERT TURNER rturner@ripatampa.com T:

### 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.

Depot:RIPTAMUnique No:10833705Signed:Don BaldridgeReport Date:19 Jan 2024

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Report Id: RIPTAM [WUSCAR] 06062323 (Generated: 01/19/2024 10:31:15) Rev: 1
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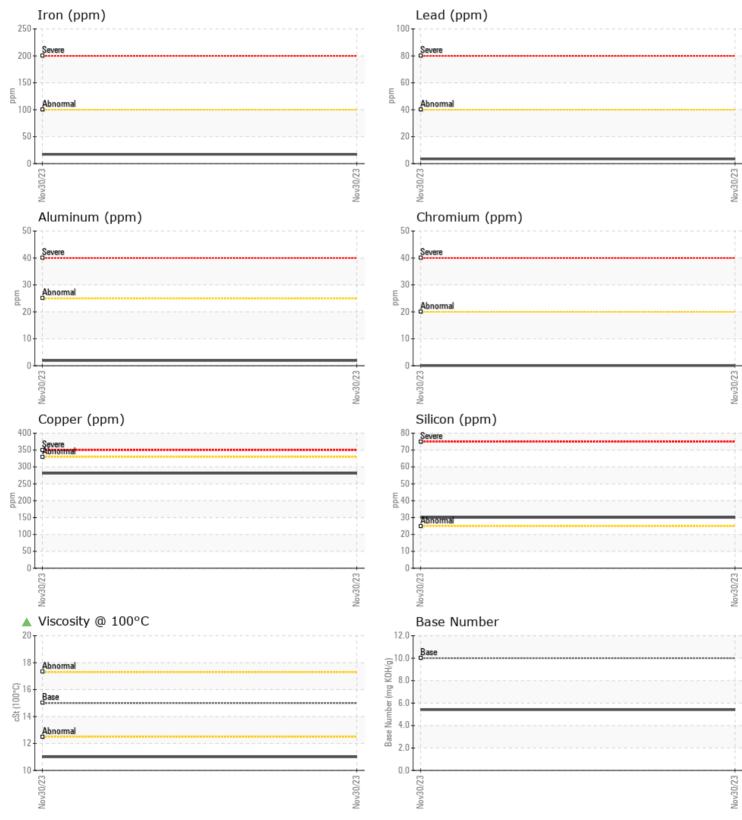
Contact/Location: ROBERT TURNER - RIPTAM

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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