CONSTRUCTION EQUIPMENT

Sample No: VCP436812 **Oil Type:**

ZOTAZ

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 661670 ALTA RENTS

SAMPLE INFORMATION

Sample Number	-	VCP436812	 	
Sample Date		26 Jan 2024	 	
Machine Hours		523	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CON				
Visc @ 100°C	cSt	10.8	 	
Base Number (BN	J) mg KOH/g	5.0	 	
Oxidation (PA)	%	67	 	
	INATION			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	82	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	0.7	 	
Silicon	ppm	26	 	
Sodium	ppm	4	 	
Potassium	ppm	5	 	

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Iron	ppm	■10	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	2	 	
Tin	ppm	2	 	
Aluminum	ppm	3	 	
Chromium	ppm	0	 	
Molybdenum	ppm	84	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	maa	<1	 	

ADDITIVES						
Calcium	ppm	2102				
Magnesium	ppm	33				
Zinc	ppm	1196				
Phosphorus	ppm	1004				
Barium	ppm	0				
Boron	ppm	25				



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD ORLANDO, FL US 32824 Contact: Robert LaPlante robert.laplante@altg.com T: (407)508-9736 F: (407)659-8720

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other 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: VOLVO0096 Unique No: 10857626 Signed: Jonathan Hester Report Date: 02 Feb 2024

Report Id: VOLVO0096 [WUSCAR] 06075535 (Generated: 02/02/2024 10:09:57) Rev: 1

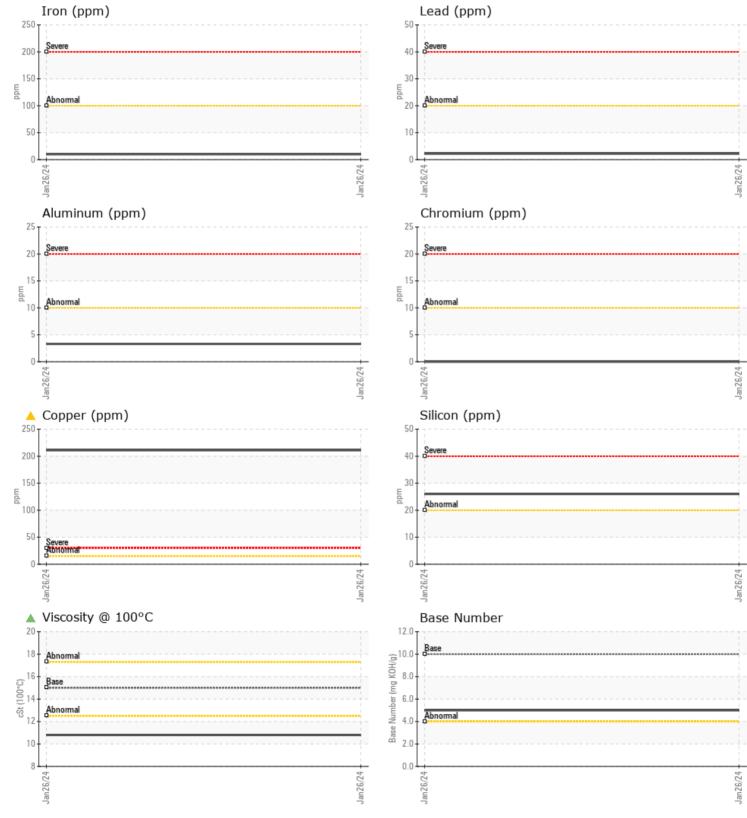
Contact/Location: Robert LaPlante - VOLVO0096

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0096 [WUSCAR] 06075535 (Generated: 02/02/2024 10:10:00) Rev: 1

Contact/Location: Robert LaPlante - VOLVO0096