CONSTRUCTION EQUIPMENT 607627 MOSAIC VOLVO EC480EL 315030 - DIESEL ENGINE

Sample No: VCP427328 **Oil Type:**

ZOTAZ

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 607627 MOSAIC

SAMPLE INFORMATION

Sample Number	-	VCP427328	 	
Sample Date		29 Sep 2023	 	
Machine Hours		584	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI				
Visc @ 100°C	cSt	A 10.6	 	
Base Number (BN)	mg KOH/g	5.1	 	
Oxidation (PA)	%	65	 	
CONTAMIN				
	ATION	-	 -	
Soot %	%	0.1	 	
Nitration (PA)	%	86	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	□1.2	 	
Silicon	ppm	32	 	
Sodium	ppm	3	 	
Potassium	ppm	4	 	

WLAK I	METALS			
Iron	ppm	1 0	 	
Copper	ppm	A 190	 	
Lead	ppm	2	 	
Tin	ppm	3	 	
Aluminum	ppm	3	 	
Chromium	ppm		 	
Molybdenum	ppm	77	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	2186					
Magnesium	ppm	43					
Zinc	ppm	1234					
Phosphorus	ppm	968					
Barium	ppm	0					
Boron	ppm	17					



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL

US 33619 Contact: JOHN FARDELLA john.fardella@altg.com T: (813)630-0077 F: (813)630-2233

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. 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: VOLVO0093 Unique No: Signed: Report Date:

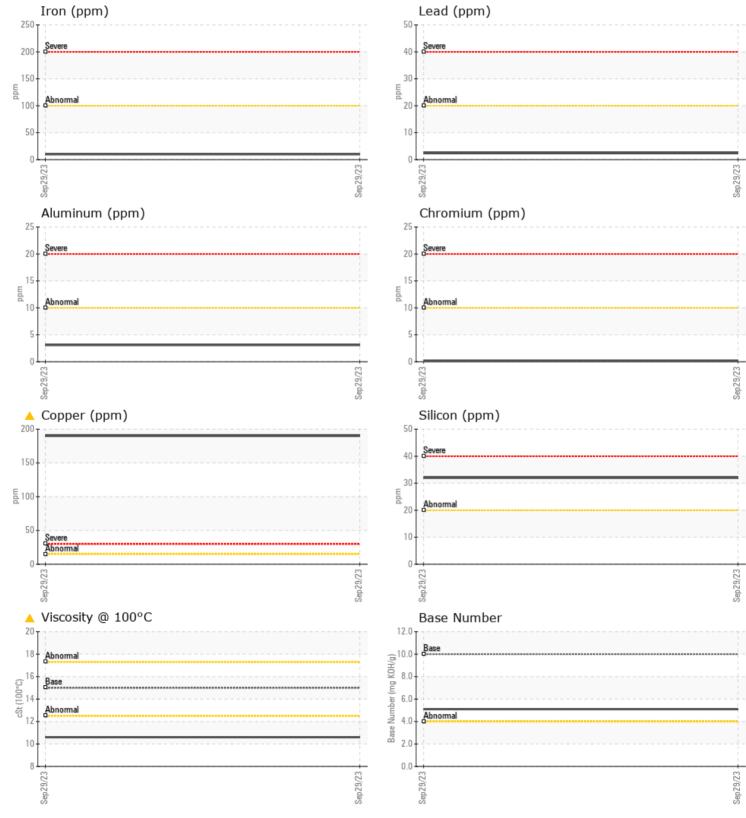
10708814 Don Baldridge 25 Oct 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JOHN FARDELLA - VOLVO0093