CONSTRUCTION EQUIPMENT HUNTSVILLE CITY VOLVO EC300 310950 - DIESEL ENGINE

Sample No:VCP442213Oil Type:{unknown}Job No:HUNTSVILLE CITY

	FORMATION			
	IF URMATION	<u>.</u>		
Sample Number		VCP442213	 	
Sample Date		09 Feb 2024	 	
Machine Hours		4240	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.7	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	71	 	
VOLVO				
CONTAMIN	IATION		 -	-
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	10	 	
Sodium	ppm	0	 	
Potassium	ppm	1 4	 	
WEAR MET	TAIS		 	
Iron	ppm	■ 11	 	
Copper	ppm	2	 	
Lead	ppm	1	 	
Tin	ppm		 	
Aluminum	ppm	▲ 11	 	
Chromium	ppm	1	 	
Molybdenum	ppm	∎ 31	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

ADDITIVES								
Calcium	ppm	1453						
Magnesium	ppm	560						
Zinc	ppm	982						
Phosphorus	ppm	774						
Barium	ppm	0						
Boron	ppm	55						



COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE

15101 ALABAMA HWY 20 MADISON, AL US 35756 Contact: RANDY HARRIS RHARRIS@COWIN.COM T: (256)298-2322 F: (256)355-5250

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 COWMAD

 Unique No:
 10885089

 Signed:
 Jonathan Hester

 Report Date:
 20 Feb 2024

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Report Id: COWMAD [WUSCAR] 06092236 (Generated: 02/20/2024 23:14:20) Rev: 1
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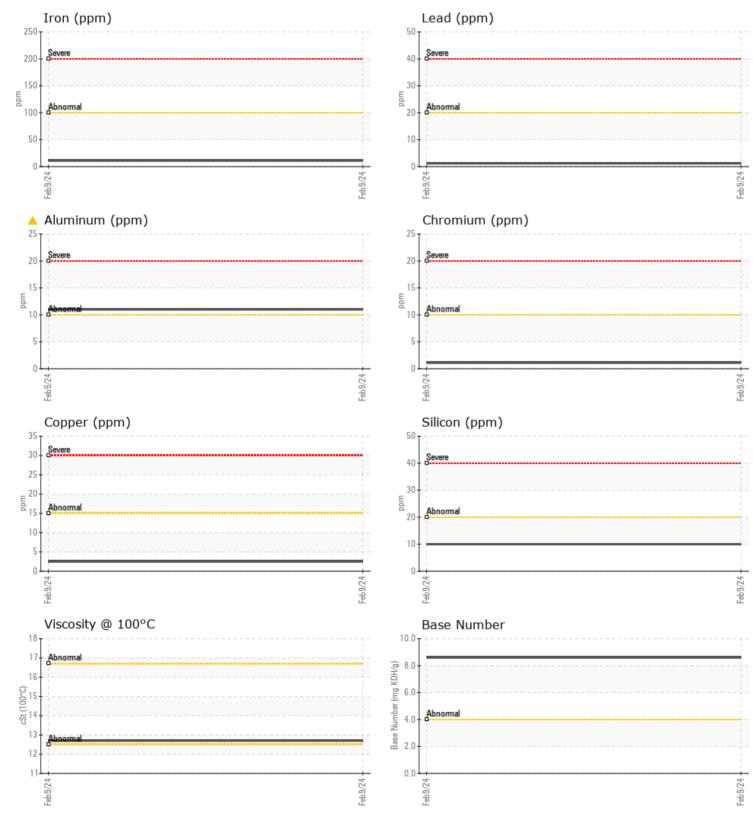
Contact/Location: RANDY HARRIS - COWMAD

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: RANDY HARRIS - COWMAD