CONSTRUCTION EQUIPMENT 24282 VOLVO EC350E 314526 - DIESEL ENGINE



Sample No: VCP420538

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	24282

SAMPLE INFORMATION

	AF UKMA HUN				
Sample Number	-	VCP420538	VCP404417		
Sample Date		10 Nov 2023	10 Mar 2023		
Machine Hours		1305	400		
Oil Hours		1000	400		
Oil Changed		Changed	Changed		
Sample Status		ABNORMAL	ABNORMAL		
OIL CONDI	TION				
	-	-		_	
Visc @ 100°C	cSt	11.9	▲ 10.1		
Base Number (BN)	mg KOH/g	6.1	6.1		
Oxidation (PA)	%	84	62		
CONTAMIN					
				-	
Soot %	%	0.1	0.1		
Nitration (PA)	%	82	83		
Sulfation (PA)	%	62	54		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.8		
Silicon	ppm	12	30		
Sodium	ppm	3	 < 1		
Potassium	ppm	0	4		

WEAR METALS

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Iron	ppm	6	9	
Copper	ppm	🔺 50	446	
Lead	ppm	■ <1	2	
Tin	ppm	1	2	
Aluminum	ppm	3	3	
Chromium	ppm	0	<1	
Molybdenum	ppm	46	87	
Nickel	ppm	 <1	1	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	2	3	
Vanadium	ppm	0	<1	

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ADDITI	IVES			
Calcium	ppm	1669	2226	
Magnesium	ppm	404	11	
Zinc	ppm	1072	1149	
Phosphorus	ppm	816	952	
Barium	ppm	0	3	
Boron	ppm	28	39	



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7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com T: F: (843)414-1129

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level has decreased, but is still abnormal. All other component wear rates are normal. 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:
 VOLVO3387

 Unique No:
 10743047

 Signed:
 Don Baldridge

 Report Date:
 19 Nov 2023

Report Id: VOLVO3387 [WUSCAR] 06009285 (Generated: 11/19/2023 14:35:26) Rev: 1

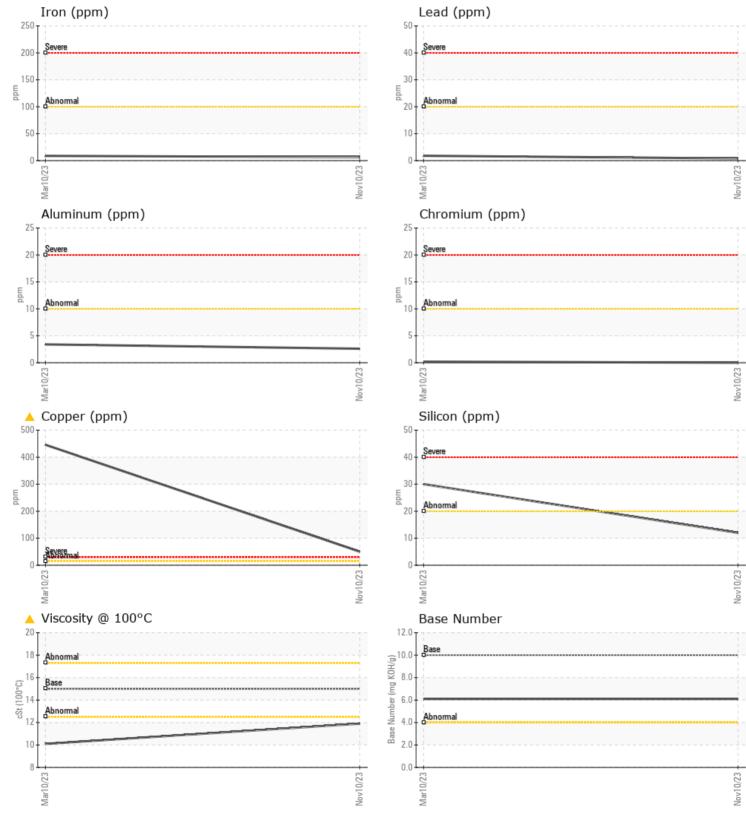
Contact/Location: MATT MITCHAM - VOLVO3387

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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