

CONSTRUCTION EQUIPMENT VOLVO A45G 752364 - DIESEL ENGINE



Sample No: VCP421590

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 25493

VOLVO	VEODA A TION			
SAMPLE II	NFORMATION			
Sample Number	-	VCP421590	 	
Sample Date		17 Apr 2024	 	
Machine Hours		450	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
VOLVO	TION			
OIL CONDI	TIUN			
Visc @ 100°C	cSt	10.8	 	
Base Number (BN)	mg KOH/g	■ 5.8	 	
Oxidation (PA)	%	59	 	
CONTAMIN	IATION			
CONTAMIN				
Water	%	NEG	 	
Soot %	%	■ 0.3	 	
Nitration (PA)	%	81	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.4	 	
Silicon	ppm	25	 	
Sodium	ppm	■ 3	 	
Potassium	ppm	■<1	 	
WEAR ME	TALC			
WEAR ME	I MT7		 	
Iron	ppm	18	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	■4	 	
Tin	ppm	4	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	79	 	
Nickel	ppm	2	 	
Titanium	ppm	<1	 	
Silver	ppm	■0	 	
Manganese	ppm	■2	 	
Vanadium	ppm	<1	 	
ADDITIVES	2			
Calcium	ppm	2136	 	
Magnesium	ppm	34	 	
Zinc	ppm	1026	 	
Phosphorus	ppm	■891	 	
Barium	ppm	□0	 	
Boron	ppm	■39	 	
50.011	PPIII			



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

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: VOLVO3387 **Unique No:** 10990963 Signed: Don Baldridge Report Date: 25 Apr 2024



CONSTRUCTION EQUIPMENT





