Sample No: VCP412475

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

Job No: SW-24091-2 AXIS

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	-	VCP412475	 	
Sample Date		21 Sep 2023	 	
Machine Hours		694	 	
Oil Hours		300	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<u>▲</u> 11.5	 	
Base Number (BN)		9.7	 	
Oxidation (PA)	%	84	 	
Chidation (171)	70	0.		
VOLVO	INTION			
CONTAMI	NATION			
Soot %	%	■ 0.2	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	7.5	 	
Silicon	ppm	7	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	17	 	
Copper	ppm	3	 	
Lead	ppm	- <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	■ <1	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	■38	 	
Nickel	ppm	■0	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	0	 	
VOLVO				
ADDITIVE:	<u></u>			
Calcium	ppm	1767	 	
Magnesium	ppm	■ 527	 	
Zinc	ppm	■1167	 	
Phosphorus	ppm	931	 	
Barium	ppm	■0	 	
Boron	ppm	61	 	
		_		

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Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO8770

 Unique No:
 10669725

 Signed:
 Wes Davis

 Report Date:
 29 Sep 2023



CONSTRUCTION EQUIPMENT





GRAPHS

