

CONSTRUCTION EQUIPMENT SW-25615 VOLVO SD45B 230292 - DIESEL ENGINE



Sample No: VCP442152

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

Job No: SW-25615

VOLVO				
	NFORMATION			
Sample Number		VCP442152	 	
Sample Date		18 Oct 2023	 	
Machine Hours		283	 	
Oil Hours		283	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
VOLVO	ITION			
OIL CONDI		•		
Visc @ 100°C	cSt	<u> </u>	 	
Base Number (BN)		7.8	 	
Oxidation (PA)	%	61	 	
VOLVO				
CONTAMII	NATION			
Soot %	%	0.2	 	
Nitration (PA)	%	67	 	
Sulfation (PA)	%	50	 	
Glycol	%	NEG	 	
Fuel	%	<u> ▲</u> 8.9	 	
Silicon	ppm	11	 	
Sodium	ppm	4	 	
Potassium	ppm	■0	 	
WEAR ME	TAIC			
_	INC2			
Iron	ppm	14	 	
Copper	ppm	■ 9	 	
Lead 	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	1	 	
Molybdenum	ppm	■54	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	U	 	
VOLVO				
ADDITIVE				
Calcium	ppm	1224	 	
Magnesium	ppm	888	 	
Zinc	ppm	1182	 	
Phosphorus	ppm	■834	 	
Barium	ppm	2	 	
Poron	10.10.100	c		

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: JUSTIN BENCH

JUSTIN BENCH
JUSTINBENCH@ARNOLDMACHINERY.COM

T: (801)698-5639 F: (801)975-9434

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VOLVO8770Unique No:10711586Signed:Sean FeltonReport Date:27 Oct 2023

ppm

Boron

6



CONSTRUCTION EQUIPMENT





