

Sample No: VCP431948

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

Job No: 5520DR KINSLEY CONST

VOLVO					
SAMPLE IN	IFORMATION				
Sample Number		VCP431948	VCP124766		
Sample Date		03 May 2024	21 Jun 2013		
Machine Hours		13358	2149		
Oil Hours		500	0		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	NORMAL		
Sample Status		NORWAL	NONVIAL		
VOLVO					
OIL CONDIT	TION				
Visc @ 100°C	cSt	12.8	■13.2		
Base Number (BN)	mg KOH/g	■8.8			
Oxidation (PA)	%	50	48		
CONTAMIN	IATION				
CONTAMIN			_	<u>.</u>	
Water	%	NEG	NEG		
Soot %	%	■ 0.3	■0.8		
Nitration (PA)	%	46	■58		
Sulfation (PA)	%	49	5 0		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	2	5		
Sodium	ppm	2	3		
Potassium	ppm	0	2		
WEAR MET	ΤΔΙς				
_					
Iron	ppm	3	28		
Copper	ppm	■<1	28		
Lead -	ppm	0	<1		
Tin	ppm	0	0		
Aluminum	ppm	0	2		
Chromium	ppm	0	= <1		
Molybdenum	ppm	■ 54	■38		
Nickel	ppm	■0	2		
Titanium 	ppm	0	7		
Silver	ppm	■0	0		
Manganese	ppm	■ <1	<u></u> <1		
Vanadium	ppm	0	0		
VOLVO					
ADDITIVES	7				
_		□ 1176	m 175 /		
Calcium	ppm	1176	1754		
Magnesium	ppm	■ 858	□ 688 □ 1177		
Zinc	ppm	■ 1096	1177		
Phosphorus	ppm	■979	1003		

0



HIGHWAY EQUIPMENT & SUPPLY CO

PO BOX 127 DRUMS, PA US 18222 Contact: JUSTIN BLOSS justin@hwyequip.com T: (570)788-1127 F: (570)708-2933

Diagnosis

Resample at the next service interval to monitor. All 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 acceptable for the time in service.

Depot:VOLVO0022Unique No:11019674Signed:Don BaldridgeReport Date:11 May 2024

ppm

ppm

0

Barium

Boron



CONSTRUCTION EQUIPMENT





GRAPHS

