

CONSTRUCTION EQUIPMENT 1204 VOLVO EC350E 314678 - DIESEL ENGINE



Sample No: VCP442615

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

Job No: 1204

VOLVO					
SAMPLE IN	NFORMATION				
Sample Number	•	VCP442615			
Sample Date		20 Oct 2023			
Machine Hours		548			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OIT CONDI.	TION				
		A 10.0	_		_
Visc @ 100°C	cSt	<u> </u>			
Base Number (BN)	mg KOH/g	■ 5.5			
Oxidation (PA)	%	66			
VOLVO					
CONTAMIN	NATION				
Soot %	%	■ 0.1			
Nitration (PA)	%	82			
Sulfation (PA)	%	55			
Glycol	%	NEG			
Fuel	%	1.1			
Silicon	ppm	25			
Sodium	ppm	■3			
Potassium	ppm	2			
WEAR ME	TAI S				
Iron		9			
Copper	ppm	<u>→</u> 330			
Lead	ppm	4			
Tin	ppm	2			
Aluminum	ppm	2			
Chromium	ppm	0			
Molybdenum	ppm	■75			
Nickel	ppm	■ <1			
Titanium	ppm	0			
Silver	ppm	■ 0			
Manganese	ppm	2			
Vanadium	ppm	0			
	•				
ADDITIVES					
ADDITIVES					
Calcium	ppm	2017			
Magnesium	ppm	88			
Zinc	ppm	1179			
Phosphorus	ppm	■ 954			
Barium	ppm	■ 0			
Boron	ppm	■ 37			



VCES- VOLVO CONSTRUCTION EQUIPMENT 8594 FRUITRIDGE ROAD SACRAMENTO, CA US 95826 Contact: RAY KRANZUSCH ray.kranzusch@vcesvolvo.com T: F:

Diagnosis

The oil 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. 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:VOLVO4485Unique No:10736463Signed:Don BaldridgeReport Date:13 Nov 2023



CONSTRUCTION EQUIPMENT





GRAPHS

