

CONSTRUCTION EQUIPMENT

SW0-068393 VOLVO EC480EL 315428 - DIESEL ENGINE



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

Job No: SWO-068393

VOLVO CAMDIE II	NFORMATION				
	NI UNMATION				
Sample Number		VCP447586			
Sample Date		19 Dec 2023			
Machine Hours		482			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	10.9			
Base Number (BN)	mg KOH/g	4.8			
Oxidation (PA)	%	70			
VOLVO	IATION				
CONTAMIN					
Water	%	NEG			
Soot %	%	■ 0.1			
Nitration (PA)	%	84			
Sulfation (PA)	%	57			
Glycol	%	■0.0			
Fuel	%	■0.9			
Silicon	ppm	■15			
Sodium	ppm	2			
Potassium	ppm	1			
VOLVO					
WEAR ME	TALS				
Iron	ppm	■8			
Copper	ppm	<u> </u>			
Lead	ppm	4			
Tin	ppm	2			
Aluminum	ppm	2			
Chromium	ppm	■0			
Molybdenum	ppm	■84			
Nickel	ppm	■0			
Titanium	ppm	0			
Silver	ppm	■0			
Manganese	ppm	1			
Vanadium	ppm	<1			
VOLVO					
ADDITION					
Calcium	ppm	□ 1974			
Magnesium	ppm	■ 1374 ■ 134			
Zinc	ppm	■ 1126			
Phosphorus	ppm	969			
Barium	ppm	■0			
_	LL				



SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD BIRMINGHAM, AL US 35207 Contact: STEPHANI BRITTON sbritton@saiia.com;doug.bogart@wearcheck.com T: (205)943-2268

Diagnosis

F: (205)943-2269

Oil and filter change at the time of sampling has been noted. 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:SAIBIRUnique No:10803545Signed:Jonathan HesterReport Date:29 Dec 2023

ppm

Boron



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GRAPH

