

CONSTRUCTION EQUIPMENT VOLVO ECR88 217893 - DIESEL ENGINE



Sample No: VCP413704

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

Job No: 20790

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	_	VCP413704	 	
Sample Date		12 Sep 2023	 	
Machine Hours		588	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	6.8	 	
Oxidation (PA)	%	65	 	
VOLVO	MATION			
CONTAMI				
Soot %	%	■ 0.2	 	
Nitration (PA)	%	71	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	11	 	
Sodium	ppm	5	 	
Potassium	ppm	1	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	22	 	
Copper	ppm	<u> </u>	 	
Lead	ppm		 	
Tin	ppm	■<1	 	
Aluminum	ppm	5	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	■ 26	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
VOLVO				
ADDITIVE	2			
Calcium	ppm	2281	 	
Magnesium	ppm	156	 	
Zinc	ppm	1003	 	
Phosphorus	ppm	■866	 	
Barium	ppm	0	 	
Boron	ppm	■29	 	



520 - ASCENDUM MACHINERY INC - KNOXVILLE 5730 RUTLEDGE PIKE KNOXVILLE, TN US 37924 Contact: BRANDON GRANT brandon.grant@ascendummachinery.com T: (865)525-1845 F: (865)525-0251

Diagnosis

Oil and filter 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 suitable for further service.

Depot: VOLVO0124 **Unique No:** 10648355 Signed: Sean Felton Report Date: 19 Sep 2023



CONSTRUCTION EQUIPMENT





