VOLVO **CONSTRUCTION EQUIPMENT** VOLVO EC350E 314719 - DIESEL ENGINE 1109



Sample No: VCP420796

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	1109

Job No:

SAMPLE INFORMATION

Sample Number		VCP420796	 	
Sample Date		12 Oct 2023	 	
Machine Hours		558	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	A 11.9	 	
Base Number (BN)	mg KOH/g	5.1	 	
Oxidation (PA)	%	49	 	
CONTAMI	NATION			
Soot %	%	0	 	
Nitration (PA)	%	59	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
	70			
Fuel	%	1.3	 	
Fuel Silicon		-	 	

ppm

ppm

2

3

Sodium

Potassium

VEAR M	ETALS			
Iron	ppm	11	 	
Copper	ppm	416	 	
Lead	ppm	 <1	 	
Tin	ppm	2	 	
Aluminum	ppm	1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	11	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDIT	IVES			
Calcium	ppm	2025	 	
Magnesium	ppm	105	 	
Zinc	ppm	1015	 	
Phosphorus	ppm	852	 	
Barium	ppm	0	 	
Boron	ppm	9	 	
DUIUII	ppm	U 9	 	



VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD SACRAMENTO, CA US 95826 Contact: RAY KRANZUSCH ray.kranzusch@vcesvolvo.com Τ· F١

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. 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: VOLVO4485 Unique No: 10714698 Signed: Don Baldridge Report Date: 31 Oct 2023

Report Id: VOLVO4485 [WUSCAR] 05992036 (Generated: 10/31/2023 11:10:33) Rev: 1

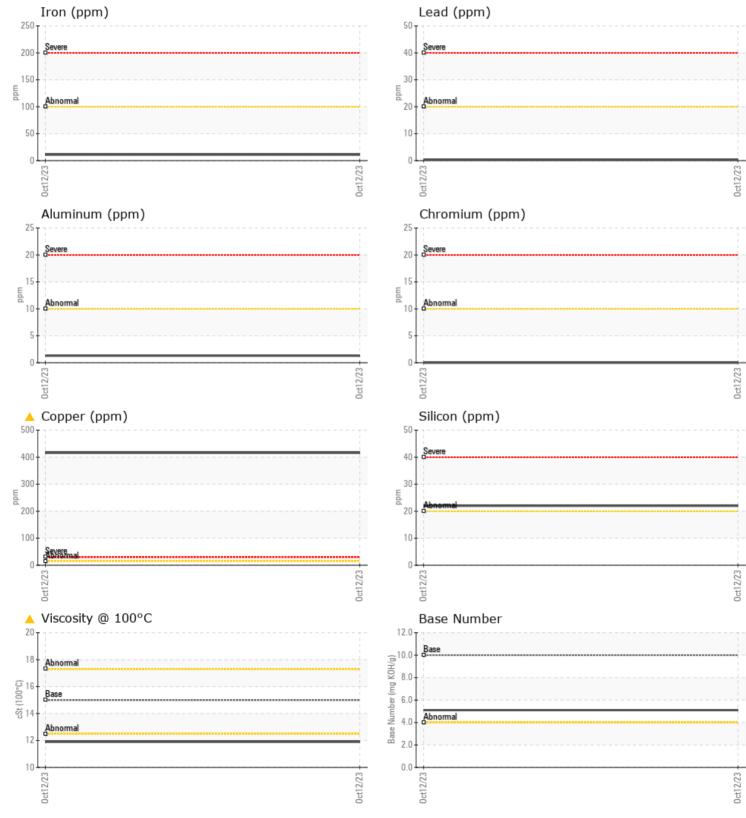
Contact/Location: RAY KRANZUSCH - VOLVO4485

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO4485 [WUSCAR] 05992036 (Generated: 10/31/2023 11:10:38) Rev: 1

Contact/Location: RAY KRANZUSCH - VOLVO4485