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## CONSTRUCTION EQUIPMENT 1428 VOLVO EC350 314668 - DIESEL ENGINE



### Sample No: VCP429811

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	1428



#### SAMPLE INFORMATION VCP429811 Sample Number Sample Date 08 Dec 2023 Machine Hours 657 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C **11.8** cSt Base Number (BN) mg KOH/g 5.3 Oxidation (PA) % 53

CONTAN	MINATION			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	64	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	∎1.1	 	
Silicon	ppm	<b>1</b> 8	 	
Sodium	ppm	2	 	
Potassium	ppm	3	 	

#### WEAR METALS

Iron	ppm	<b>1</b> 0	 	 
Copper	ppm	<b>A</b> 306	 	
Lead	ppm	0	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	<b>17</b>	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

#### **ADDITIVES** 2065 Calcium ppm **131** Magnesium ppm Zinc ppm 1020 888 Phosphorus ppm Barium **||** <1 ppm 11 Boron ppm



#### 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. 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:
 10794205

 Signed:
 Don Baldridge

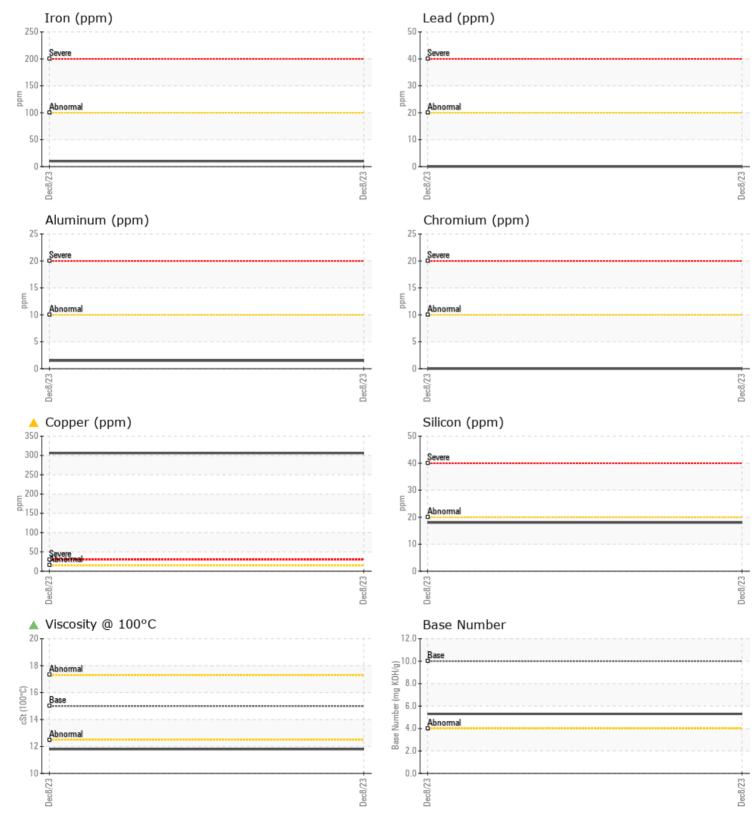
 Report Date:
 23 Dec 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO4485 [WUSCAR] 06038976 (Generated: 12/23/2023 11:44:12) Rev: 1

Contact/Location: RAY KRANZUSCH - VOLVO4485