CONSTRUCTION EQUIPMENT SW0064468 VOLVO EC200EL 314424 - DIESEL ENGINE

 Sample No:
 VCP426966

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE INFORMATION

SW0064468

Sample Number		VCP426966	 	
Sample Date		09 Aug 2023	 	
Machine Hours		1995	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL COND	ITION			
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	9.3	 	
Oxidation (PA)	%	67	 	
CONTAMI	NATION			
Soot %	%	0.2	 	
Nitration (PA)	%	57	 	
Sulfation (PA)	%	63	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	0	 	

Potassium

ppm

2

WEAR METALS 14 Iron ppm Copper 2 ppm Lead **||** <1 ppm Tin 0 ppm Aluminum ppm 5 **||** <1 Chromium ppm Molybdenum 137 ppm Nickel 0 ppm Titanium 0 ppm Silver **||** <1 ppm Manganese **||** <1 ppm Vanadium ppm 0

Variadid

ADDITIVES								
Calcium	ppm	1653						
Magnesium	ppm	631						
Zinc	ppm	887						
Phosphorus	ppm	739						
Barium	ppm	2						
Boron	ppm	336						



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. 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:
 VOLVO8247

 Unique No:
 10603059

 Signed:
 Don Baldridge

 Report Date:
 15 Aug 2023

```
Report Id: VOLVO8247 [WUSCAR] 05923112 (Generated: 08/17/2023 08:55:07) Rev: 1
```

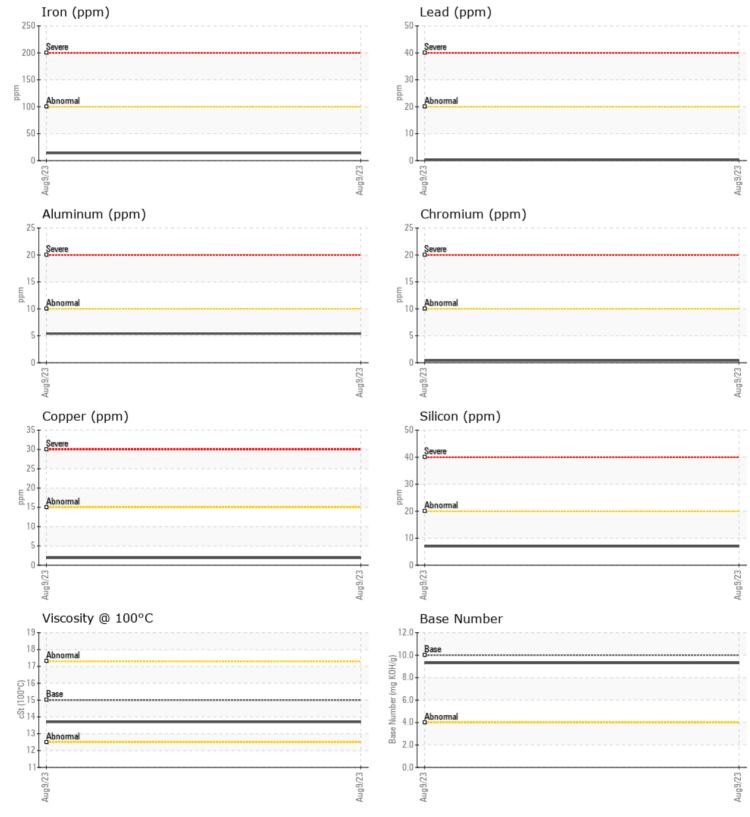
Contact/Location: HUGH DOBBS - VOLVO8247

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8247 [WUSCAR] 05923112 (Generated: 08/17/2023 08:55:10) Rev: 1

Contact/Location: HUGH DOBBS - VOLVO8247