# VOLVO

# CONSTRUCTION EQUIPMENT SEC VOLVO SD 115B 237066 - DIESEL ENGINE



## Sample No: VCP421498

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

SAMPLE I	NFORMATION			
Sample Number		VCP421498	 	
Sample Date		26 Jul 2023	 	
Machine Hours		514	 	
Oil Hours		514	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.3	 	
Base Number (BN)	mg KOH/g	9.9	 	
Oxidation (PA)	%	77	 	
CONTAMI	NATION			
Soot %	%	0.1	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<b>1.0</b>	 	
Silicon	ppm	23	 	
Sodium	ppm	4	 	
Potassium	ppm	6	 	
WEAR ME	TALS			
Iron	ppm	38	 	
Copper	ppm	29	 	
Lead	ppm	■<1	 	
Tin	ppm	3	 	
Aluminum	ppm	<b>1</b> 4	 	
Chromium	ppm	<b>4</b>	 	
Molybdenum	ppm	<b>41</b>	 	
Nickel	ppm	<b>□</b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■4	 	
Vanadium	ppm	0	 	

Calcium	ppm	<b>1710</b>							
Magnesium	ppm	529							
Zinc	ppm	<b>1184</b>							
Phosphorus	ppm	940							
Barium	ppm	■ <1							
Boron	ppm	51							

#### 216 - ASCENDUM MACHINERY INC - PIEDMONT 407 OAK ROAD PIEDMONT, SC US 29673 Contact: KEMP COBLE kemp.coble@ascendummachinery.com

kemp.coble@ascendummachinery.cor T: (864)704-1060 F: (864)704-1069

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.Metal levels are typical for a components first oil change. Light fuel dilution occurring. No other contaminants were detected 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:
 VOLVO4596

 Unique No:
 10575272

 Signed:
 Wes Davis

 Report Date:
 28 Jul 2023

Report Id: VOLVO4596 [WUSCAR] 05908620 (Generated: 09/26/2023 14:41:29) Rev: 1

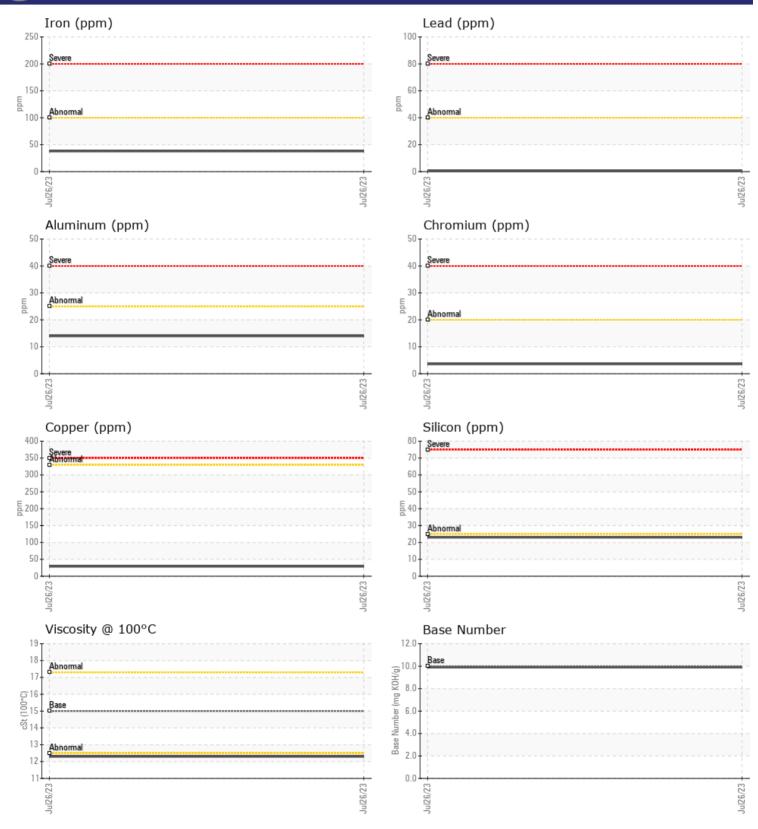
Contact/Location: KEMP COBLE - VOLVO4596

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO4596 [WUSCAR] 05908620 (Generated: 09/26/2023 14:41:32) Rev: 1

Contact/Location: KEMP COBLE - VOLVO4596