**CONSTRUCTION EQUIPMENT** 606491 ALTA RENTS VOLVO 220 315389 - DIESEL ENGINE

Sample No: VCP412220 **Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 606491 ALTA RENTS

VOLVO

## SAMPLE INFORMATION VCP412220 Sample Number VCP416939 Sample Date 08 Sep 2023 13 Jun 2023 Machine Hours 1133 552 Oil Hours 0 0 Oil Changed Changed Changed NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.7 13.3 5.9 Base Number (BN) mg KOH/g 9.4 Oxidation (PA) 78 54 % CONTAMINATION % 0.1 0.1 Soot %

Nitration (PA)	%	68	61	 
Sulfation (PA)	%	59	56	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	<b>1</b> 3	19	 
Sodium	ppm	2	2	 
Potassium	ppm	0	□ <1	 

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## ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD ORLANDO, FL US 32824 Contact: Robert LaPlante robert.laplante@altg.com T: (407)508-9736 F: (407)659-8720

## 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.

WEAR M	IETALS		
Iron	ppm	15	20
Copper	ppm	2	7
Lead	ppm	0	0
Tin	ppm	2	3
Aluminum	ppm	<b></b> <1	4
Chromium	ppm	<b>1</b>	2
Molybdenum	ppm	43	5

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Aluminum	ppm	<b>  </b> <1	4	 
Chromium	ppm	∎1	2	 
Molybdenum	ppm	<b>4</b> 3	5	 
Nickel	ppm	<b>1</b>	5	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	4	 
Vanadium	ppm	<1	0	 

Vanadi

ADDITIVES					
Calcium	ppm	2035	2445		
Magnesium	ppm	530	105		
Zinc	ppm	<b>1235</b>	1174		
Phosphorus	ppm	990	952		
Barium	ppm	0	< 1		
Boron	ppm	<b>16</b>	<b></b> <1		

Depot: VOLVO0096 Unique No: 10645908 Signed: Wes Davis Report Date: 15 Sep 2023

Report Id: VOLVO0096 [WUSCAR] 05949949 (Generated: 09/15/2023 00:44:45) Rev: 1

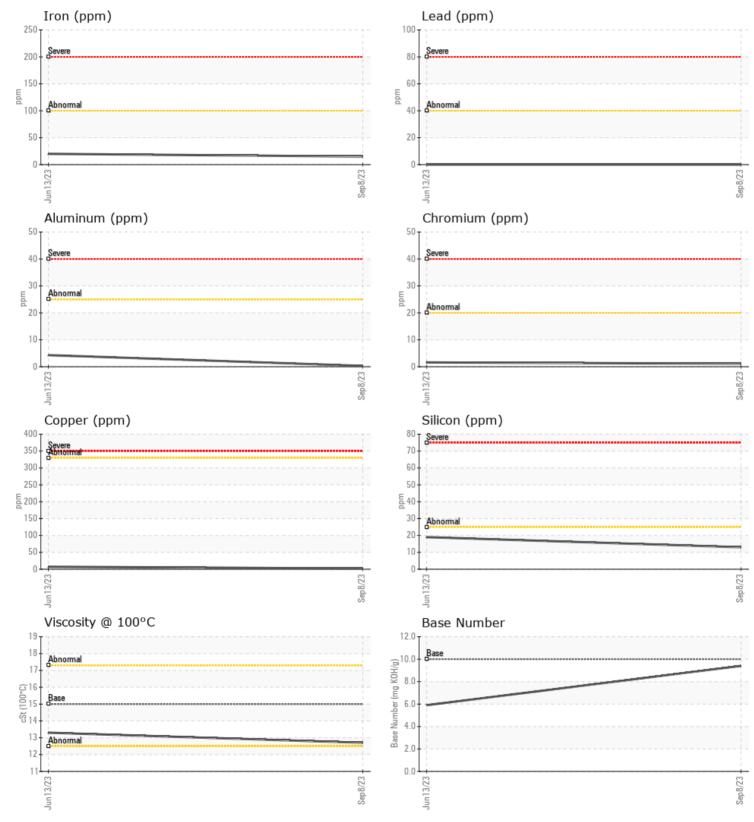
Contact/Location: Robert LaPlante - VOLVO0096

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: Robert LaPlante - VOLVO0096