**CONSTRUCTION EQUIPMENT** 24200 CATERPILLAR 321D MPG00947 - DIESEL ENGINE

Sample No:	VCP435063
Oil Type:	DIESEL ENGINE OIL SAE 15W40
Job No:	24200

## SAMPLE INFORMATION

VOLVO

Sample Number		VCP435063	 	
Sample Date		05 Oct 2023	 	
Machine Hours		7896	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL COND				
Visc @ 100°C	cSt	14.2	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	65	 	
CONTAM				
	NATIUN			
Soot %	%	0.1	 	
Nitration (PA)	%	54	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	2	 	
Sodium	ppm	2	 	
Potassium	ppm	6	 	

VEAR I	METALS			
Iron	ppm	4	 	
Copper	ppm		 	
Lead	ppm	■ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>10</b>	 	
Chromium	ppm	0	 	
Molybdenum	ppm	7	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITI	VES			
Calcium	ppm	2044	 	
Magnesium	ppm	59	 	
Zinc	ppm	<b>1304</b>	 	
Phosphorus	ppm	<b>1015</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>185</b>	 	



## 218 - ASCENDUM MACHINERY INC - N. CHARLESTON

7235 CROSS COUNTRY RD.
NORTH CHARLESTON, SC
US 29418
Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com
T: F: (843)414-1129

## 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:
 VOLVO3387

 Unique No:
 10684526

 Signed:
 Wes Davis

 Report Date:
 09 Oct 2023

Report Id: VOLVO3387 [WUSCAR] 05972576 (Generated: 10/12/2023 08:37:59) Rev: 1

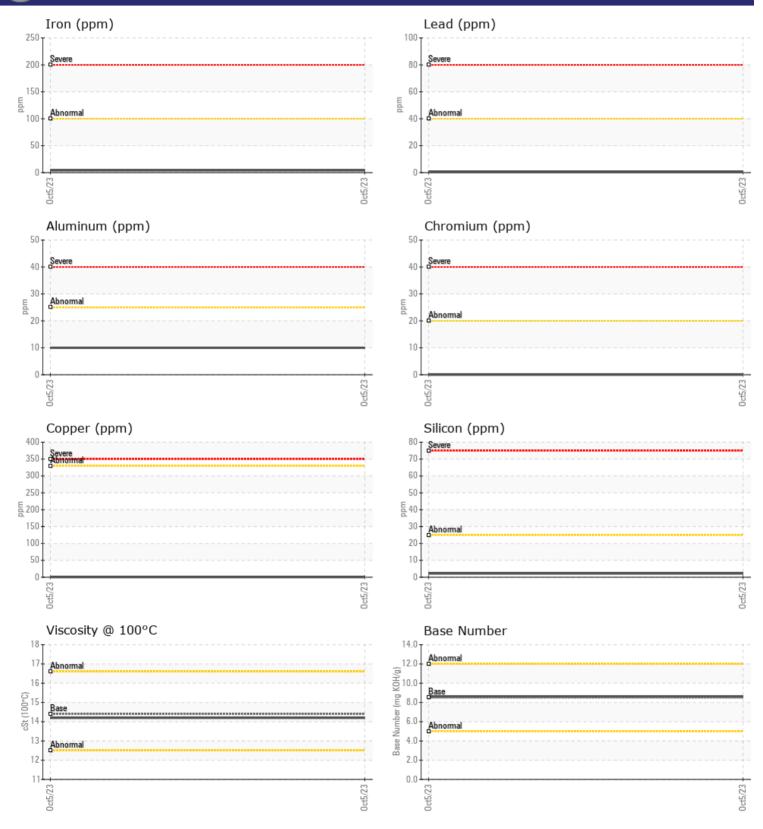
Contact/Location: MATT MITCHAM - VOLVO3387

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: MATT MITCHAM - VOLVO3387