## **CONSTRUCTION EQUIPMENT** 23807 VOLVO A40 352615 - DIESEL ENGINE



Sample No: VCP408101

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

23807

SAMPLE	INFORMATION			
Sample Number	-	VCP408101	 	
Sample Date		28 Jul 2023	 	
Machine Hours		3743	 	
Oil Hours		1000	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL COND	ITION			
Visc @ 100°C	cSt	12.5	 	
Base Number (BN	) mg KOH/g	9.1	 	
Oxidation (PA)	%	73	 	
CONTAM	INATION			
Soot %	%	0.2	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	59	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	9	 	



## 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.

Potassium

ppm

0 🔲

VOLVO				
WEAR	METALS			
Iron	ppm	8	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	0	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	5	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	44	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	<1	 	

Variault

ADDITIVES							
Calcium	ppm	<b>1691</b>					
Magnesium	ppm	542					
Zinc	ppm	<b>1132</b>					
Phosphorus	ppm	932					
Barium	ppm	0					
Boron	ppm	<b>70</b>					

 Depot:
 VOLVO3387

 Unique No:
 10579814

 Signed:
 Wes Davis

 Report Date:
 02 Aug 2023

Report Id: VOLVO3387 [WUSCAR] 05913162 (Generated: 08/03/2023 13:11:41) Rev: 1

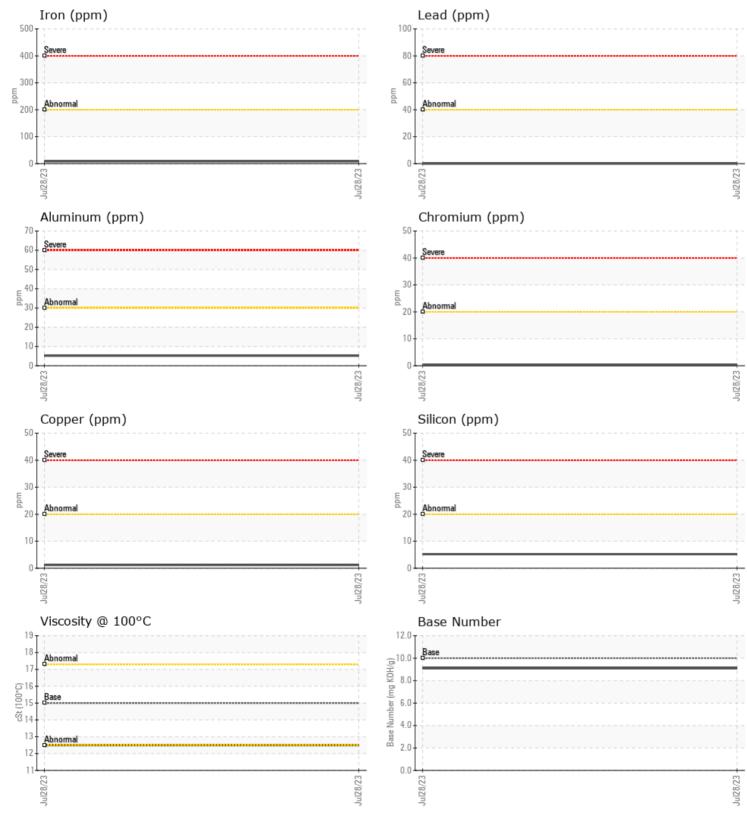
Contact/Location: MATT MITCHAM - VOLVO3387

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO3387 [WUSCAR] 05913162 (Generated: 08/03/2023 13:11:44) Rev: 1

Contact/Location: MATT MITCHAM - VOLVO3387