### **CONSTRUCTION EQUIPMENT** VOLVO L70 622162 - DIESEL ENGINE 24231



#### Sample No: VCP435069

VOLVO

**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 24231

#### SAMPLE INFORMATION Sample Number VCP435069 Sample Date 06 Nov 2023 Machine Hours 2429 Oil Hours 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.9 Base Number (BN) mg KOH/g 6.4 Oxidation (PA) 56 % CONTAMINATION 0.2 % Soot % % Nitration (PA) 74 Sulfation (PA) % 50 % NEG Glycol Fuel % <1.0 Silicon ppm **7** Sodium ppm 2 3

Potassium 1

ppm

WEAR N	METALS			
Iron	ppm	12	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	■ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>1</b> 4	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	68	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

ADDITIVES								
Calcium	ppm	2104						
Magnesium	ppm	<b>45</b>						
Zinc	ppm	1143						
Phosphorus	ppm	<b>1067</b>						
Barium	ppm	0						
Boron	ppm	93						



#### 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: 10729726 Signed: Don Baldridge Report Date: 09 Nov 2023

Report Id: VOLVO3387 [WUSCAR] 06001366 (Generated: 11/12/2023 18:02:35) Rev: 1

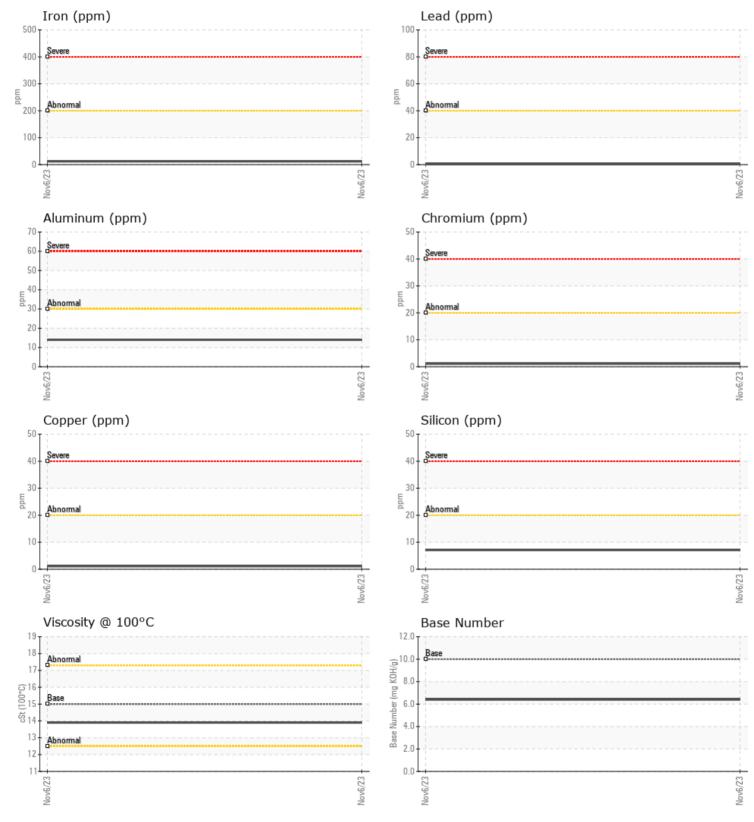
Contact/Location: MATT MITCHAM - VOLVO3387

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO3387 [WUSCAR] 06001366 (Generated: 11/12/2023 18:02:38) Rev: 1

Contact/Location: MATT MITCHAM - VOLVO3387