## **CONSTRUCTION EQUIPMENT** 24463 VOLVO A30 753401 - DIESEL ENGINE



 Sample No:
 VCP429007

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Potassium

ppm

3

24463

#### SAMPLE INFORMATION Sample Number VCP429007 Sample Date 22 Dec 2023 Machine Hours 807 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **11.1** Base Number (BN) mg KOH/g 5.2 Oxidation (PA) % 62 CONTAMINATION % NEG Water Soot % % 0.2 Nitration (PA) % 84 57 % Sulfation (PA) Glycol % NEG % Fuel 0.7 Silicon ppm **38** Sodium ppm 3



#### 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

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

WEAR METALS										
Iron	ppm	27								
Copper	ppm	🔺 295								
Lead	ppm	3								
Tin	ppm	2								
Aluminum	ppm	2								
Chromium	ppm	<b></b> <1								
Molybdenum	ppm	84								
Nickel	ppm	2								
Titanium	ppm	<1								
Silver	ppm	<b></b> <1								
Manganese	ppm	4								
Vanadium	ppm	0								
VOLVO										

Calcium	ppm	2181					
Magnesium	ppm	29					
Zinc	ppm	1272					
Phosphorus	ppm	916					
Barium	ppm	0					
Boron	ppm	22					

 Depot:
 VOLVO3387

 Unique No:
 10808885

 Signed:
 Don Baldridge

 Report Date:
 03 Jan 2024

Report Id: VOLVO3387 [WUSCAR] 06048277 (Generated: 01/03/2024 22:05:49) Rev: 1

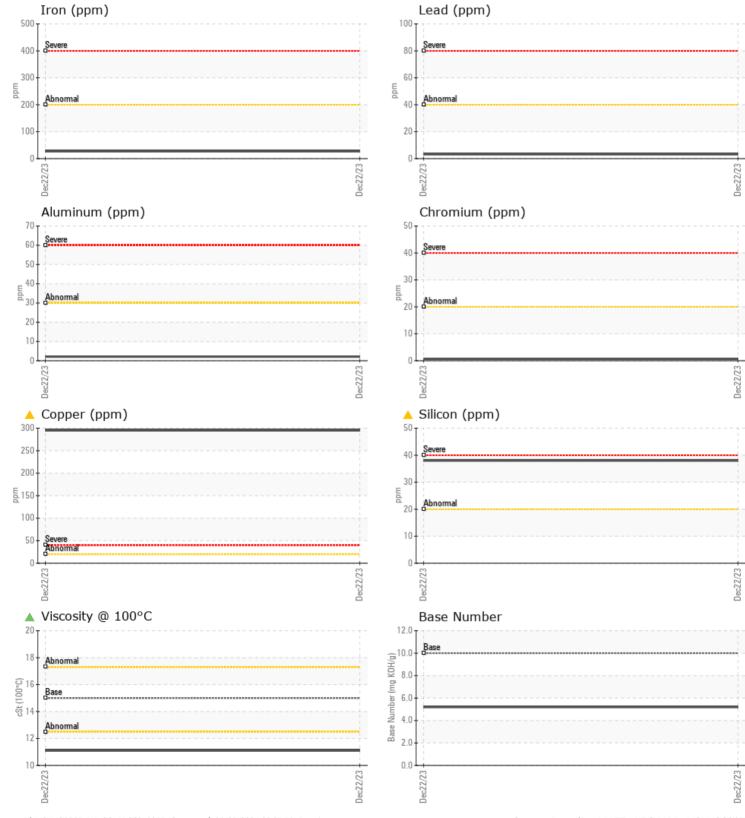
Contact/Location: MATT MITCHAM - VOLVO3387

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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