CONSTRUCTION EQUIPMENT 24468 VOLVO A30 753397 - DIESEL ENGINE



 Sample No:
 VCP434921

 Oil Type:
 VOLVO ULT

24468

VOLVO

: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE INFORMATION

Sample Number	-	VCP434921	 	
Sample Date		22 Dec 2023	 	
Machine Hours		569	 	
Oil Hours		600	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	11.2	 	
Base Number (BN)	mg KOH/g	5.5	 	
Oxidation (PA)	%	60	 	
CONTAMI				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	0.3	 	
Silicon	ppm	39	 	
Sodium	ppm	3	 	

OLVO

ppm

3

Potassium

V WEAR METALS								
Iron	ppm	24						
Copper	ppm	🔺 413						
Lead	ppm	4						
Tin	ppm	2						
Aluminum	ppm	2						
Chromium	ppm	■ <1						
Molybdenum	ppm	84						
Nickel	ppm	2						
Titanium	ppm	<1						
Silver	ppm	∎1						
Manganese	ppm	4						
Vanadium	ppm	0						

ADDITIVES 2191 Calcium ppm 34 Magnesium ppm Zinc ppm 1301 943 Phosphorus ppm Barium 0 🔲 ppm 33 Boron ppm



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. 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 metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO3387

 Unique No:
 10808883

 Signed:
 Jonathan Hester

 Report Date:
 05 Jan 2024

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Report Id: VOLVO3387 [WUSCAR] 06048275 (Generated: 01/08/2024 12:48:43) Rev: 1
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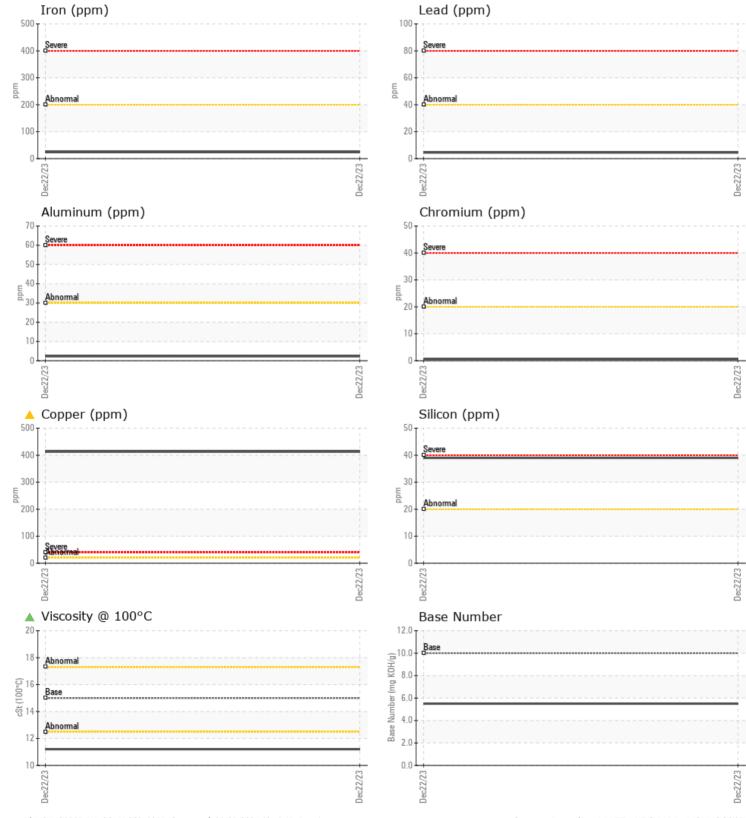
Contact/Location: MATT MITCHAM - VOLVO3387

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: MATT MITCHAM - VOLVO3387