CONSTRUCTION EQUIPMENT VOLVO A30G 753393 - DIESEL ENGINE 24467



Sample No: VCP429024

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 24467

Job No:

SAMPLE INFORMATION

Sample Number	VCP429024							
Sample Date	21 Nov 2023							
Machine Hours	590							
Oil Hours	590							
Oil Changed	Changed							
Sample Status	ABNORMAL							
OIL CONDITION								
Visc @ 100°C	cSt	A 10.9						
Base Number (BN)	mg KOH/g	5.6						
Oxidation (PA)	%	59						

CONTAN	MINATION			
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	80	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	0.7	 	
Silicon	ppm	A 75	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	

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Iron	ppm	1 7	 	
Copper	ppm	A 348	 	
Lead	ppm	4	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	81	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	1	 	
Manganese	ppm	5	 	
Vanadium	ppm	0	 	

ADDITIVES 2035 Calcium ppm 45 Magnesium ppm Zinc ppm 1197 928 Phosphorus ppm Barium 0 🔲 ppm 31 Boron ppm



218 - ASCENDUM MACHINERY INC - N. CHARLESTON

7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com Τ· 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 metal levels are typical for a new component breaking in. 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.

VOLVO3387 Depot: Unique No: 10762488 Signed: Don Baldridge Report Date: 29 Nov 2023

Report Id: VOLVO3387 [WUSCAR] 06017988 (Generated: 11/29/2023 18:07:51) Rev: 1

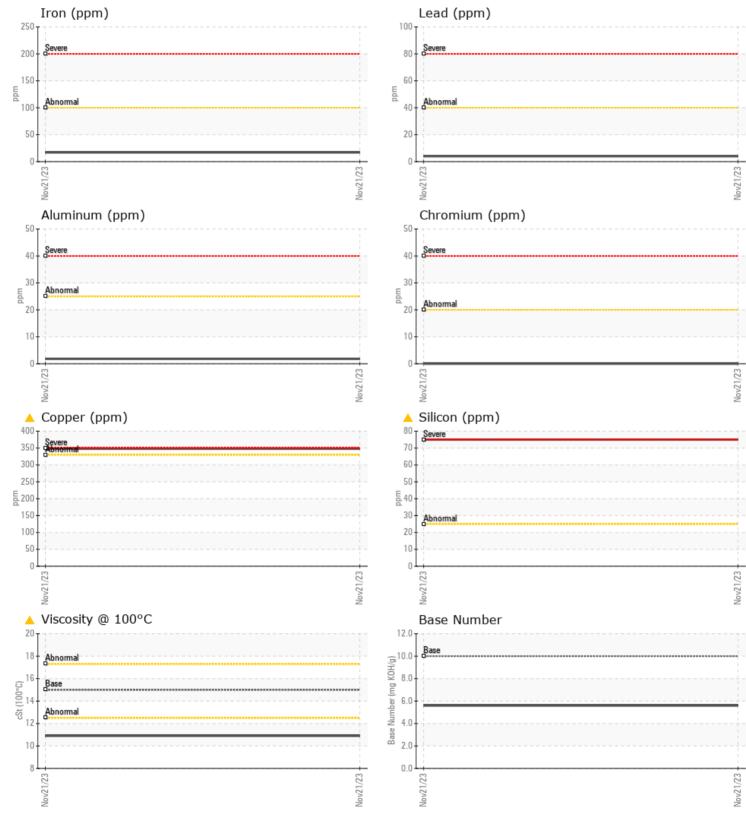
Contact/Location: MATT MITCHAM - VOLVO3387

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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