## CONSTRUCTION EQUIPMENT SEC VOLVO A30G 753417 - DIESEL ENGINE



Sample No: VCP417028

SEC

VOLVO

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

Job No:

## SAMPLE INFORMATION VCP417028 Sample Number Sample Date 20 Jun 2023 Machine Hours 319 Oil Hours 319 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **11.1** Base Number (BN) mg KOH/g 7.0 Oxidation (PA) % 54 CONTAMINATION 0.2 % Soot % Nitration (PA) % 73 Sulfation (PA) 50 %

Sanation (17)	70	50		
Glycol	%	NEG	 	
Fuel	%	0.3	 	
Silicon	ppm	39	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	20	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	□<1	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	□<1	 	
Molybdenum	ppm	87	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	<b>1</b>	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	2279					
Magnesium	ppm	17					
Zinc	ppm	<b>1270</b>					
Phosphorus	ppm	<b>1069</b>					
Barium	ppm	<b>□</b> <1					
Boron	ppm	<b>60</b>					



216 - ASCENDUM MACHINERY INC - PIEDMONT 407 OAK ROAD PIEDMONT, SC US 29673 Contact: KEMP COBLE kemp.coble@ascendummachinery.com T: (864)704-1060 F: (864)704-1069

## 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. 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:
 VOLV

 Unique No:
 1057

 Signed:
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 Report Date:
 28 Ju

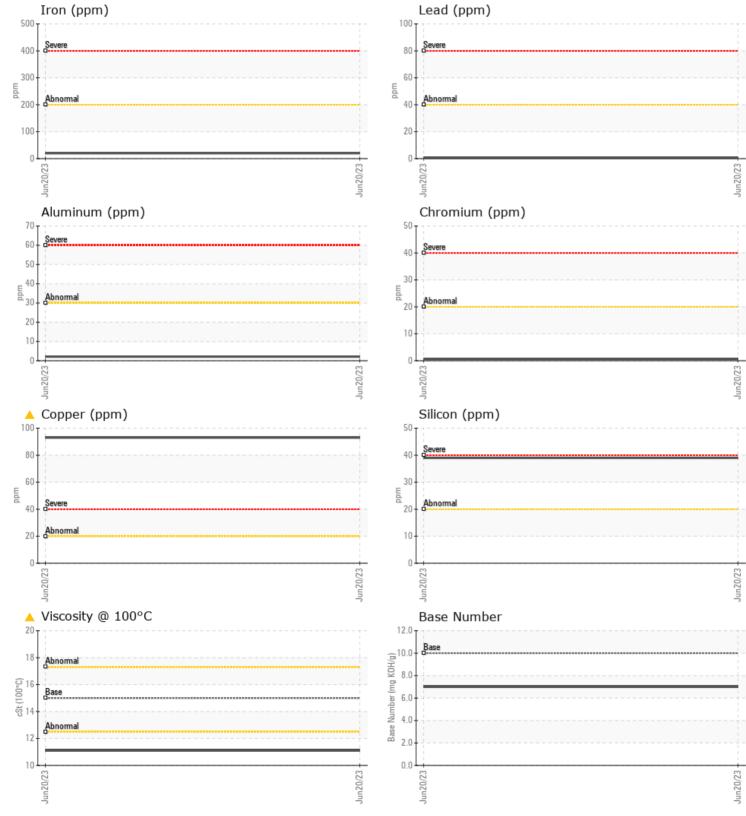
VOLVO4596 10575263 Don Baldridge 28 Jul 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO4596 [WUSCAR] 05908611 (Generated: 08/04/2023 12:08:08) Rev: 1

Contact/Location: KEMP COBLE - VOLVO4596