CONSTRUCTION EQUIPMENT VOLVO EC220EL 315042 - DIESEL ENGINE RS0036603

Sample No:	VCP415142
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	RSO036603

VCD415143

SAMPLE INFORMATION

VOLVO

Sample Number		VCP415142							
Sample Date		04 Jan 2024							
Machine Hours		550							
Oil Hours		0							
Oil Changed		Changed							
Sample Status		NORMAL							
Visc @ 100°C	cSt	13.0							
Base Number (BN) mg KOH/g	4.8							
Oxidation (PA)	%	43							
CONTAMINATION									
	INATION								
Water	%	NEG							
Soot %	%	∎0.1							
Nitration (PA)	%	61							
Sulfation (PA)	%	53							
Glycol	%	NEG							
Fuel	%	<1.0							
Silicon	ppm	19							
Sodium	ppm	1							

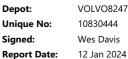
Potassium

ppm

3

WEAR I	METALS			
Iron	ppm	38	 	
Copper	ppm	9	 	
Lead	ppm	1	 	
Tin	ppm	2	 	
Aluminum	ppm	6	 	
Chromium	ppm	2	 	
Molybdenum	ppm	3	 	
Nickel	ppm	7	 	
Titanium	ppm	<1	 	
Silver	ppm		 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	

ADDITIVES Calcium 2289 ppm Magnesium 79 ppm Zinc ppm 1167 Phosphorus 933 ppm Barium **||** <1 ppm 0 Boron ppm



Signed: Report Date: Contact/Location: HUGH DOBBS - VOLVO8247



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

Diagnosis

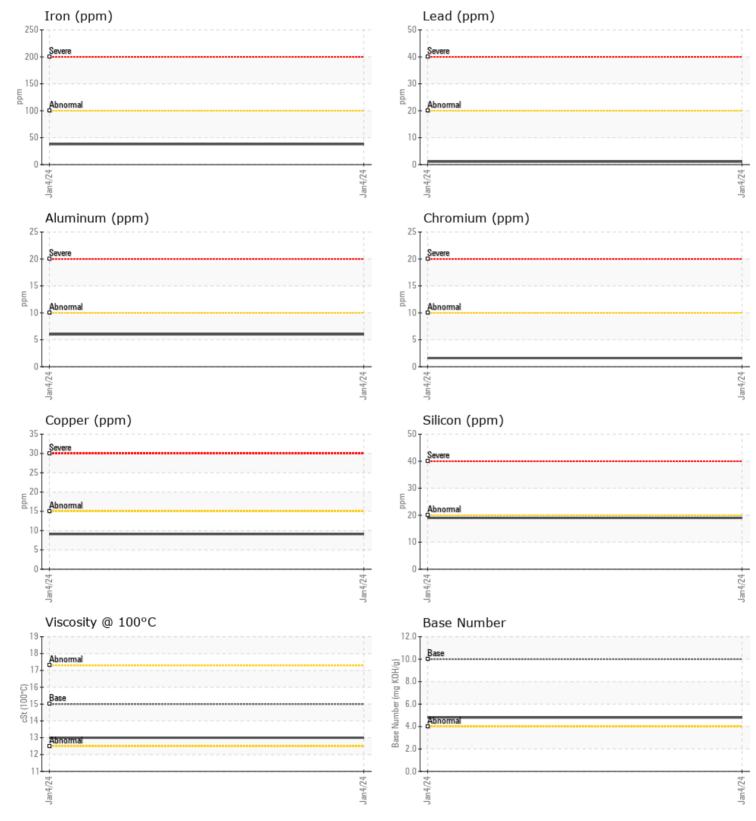
Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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