VOLVO

CONSTRUCTION EQUIPMENT 41860 VOLVO EC480EL 315044 - DIESEL ENGINE



Sample No: VCP444905

Silicon

Sodium

14

Potassium

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	41860

SAMPLE INFORMATION VCP444905 Sample Number Sample Date 11 Apr 2024 Machine Hours 1535 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 11.9 Base Number (BN) mg KOH/g 9.6 Oxidation (PA) 81 % CONTAMINATION NEG % Water Soot % % 0.1 Nitration (PA) % 58 % 62 Sulfation (PA) Glycol % NEG 0.4 Fuel %



215 - ASCENDUM MACHINERY INC - CAYCE 2303 AIRPORT BLVD CAYCE, SC US 29033 Contact: TAMI BROWDER

T: (803)923-2138 F: (803)791-9920

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. All other component wear rates are normal. 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.

VOLVO				
WEAR I	METALS			
		<u>.</u>	<u>.</u>	
Iron	ppm	3		
Copper	ppm	<u> </u>		
Lead	ppm	∎1		
Tin	ppm	1		
Aluminum	ppm	2		
Chromium	ppm	■ <1		
Molybdenum	ppm	48		
Nickel	ppm	■<1		
Titanium	ppm	<1		
Silver	ppm	0		
Manganese	ppm	■ <1		
Vanadium	ppm	<1		

ADDITIVES							
Calcium	ppm	1834					
Magnesium	ppm	543					
Zinc	ppm	1209					
Phosphorus	ppm	1051					
Barium	ppm	0					
Boron	ppm	41					

 Depot:
 VOLVO0013

 Unique No:
 10978447

 Signed:
 Jonathan Hester

 Report Date:
 19 Apr 2024

Report Id: VOLVO0013 [WUSCAR] 06148369 (Generated: 04/20/2024 04:14:42) Rev: 1

10

|| <1

1

ppm

ppm

ppm

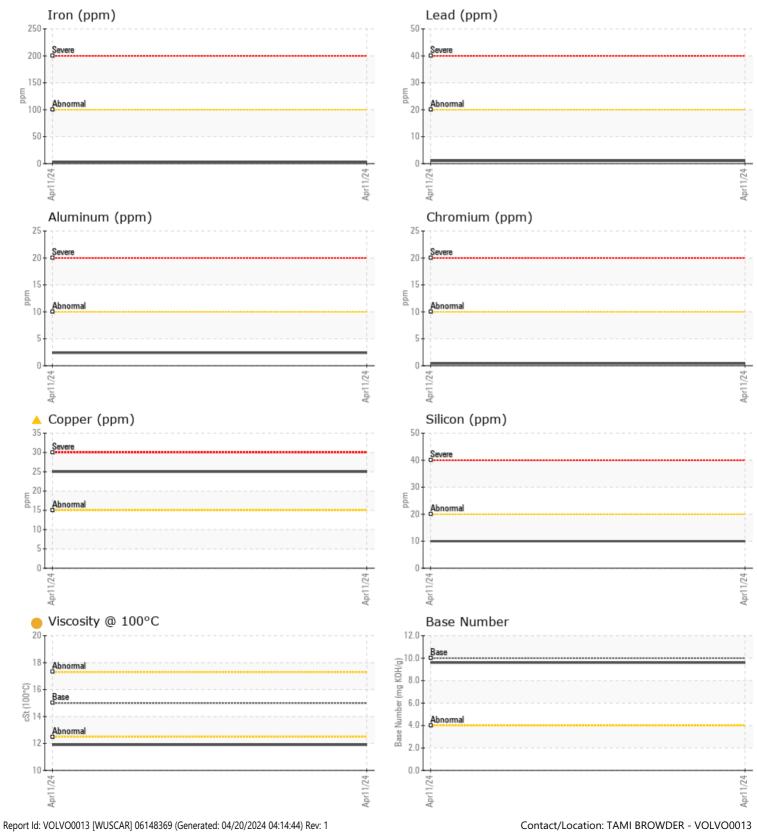
Contact/Location: TAMI BROWDER - VOLVO0013

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Daga 2 of 2