CONSTRUCTION EQUIPMENT 536311 VOLVO EC350EL 314416 - DIESEL ENGINE



Sample No: VCP06180936

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	536311

SAMPLE INFORMATION

Sample Number	-	VCP06180936	VCP441900	
Sample Date		03 May 2024	14 Sep 2023	
Machine Hours		2589	1579	
Oil Hours		500	0	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	ABNORMAL	
OIL COND				
Visc @ 100°C	cSt	11.0	12.3	
Base Number (BN)	mg KOH/g	8.5	7.9	
Oxidation (PA)	%	77	76	
CONTAMI				
			<u>.</u>	<u>.</u> .
Water	%	NEG	NEG	
Soot %	%		0.1	
Nitration (PA)	%	72	71	
Sulfation (PA)	%	58	59	
Glycol	%	NEG	NEG	
Fuel	%	0.8	1.3	
Silicon	ppm	8	7	
Sodium	ppm	■ <1	3	
Potassium	ppm	2	<1	

WEAR METALS

WEAR I	METALS			
Iron	ppm	6	7	
Copper	ppm	8	49	
Lead	ppm	1	<1	
Tin	ppm	1	1	
Aluminum	ppm	2	1	
Chromium	ppm	 <1	<1	
Molybdenum	ppm	55	46	
Nickel	ppm	 <1	0	
Titanium	ppm	<1	<1	
Silver	ppm	 <1	0	
Manganese	ppm	 <1	<1	
Vanadium	ppm	<1	<1	

ADDITIVES					
Calcium	ppm	1560	1873		
Magnesium	ppm	494	606		
Zinc	ppm	1275	1229		
Phosphorus	ppm	1137	981		
Barium	ppm	0	0		
Boron	ppm	42	24		

CALLANAN RT 32 677 FLATBUSH RD

EAST KINGSTON, NY US 12401 Contact:

Diagnosis

T: F:

> The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All 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.

 Depot:
 CALEAS

 Unique No:
 11032262

 Signed:
 Jonathan Hester

 Report Date:
 24 May 2024

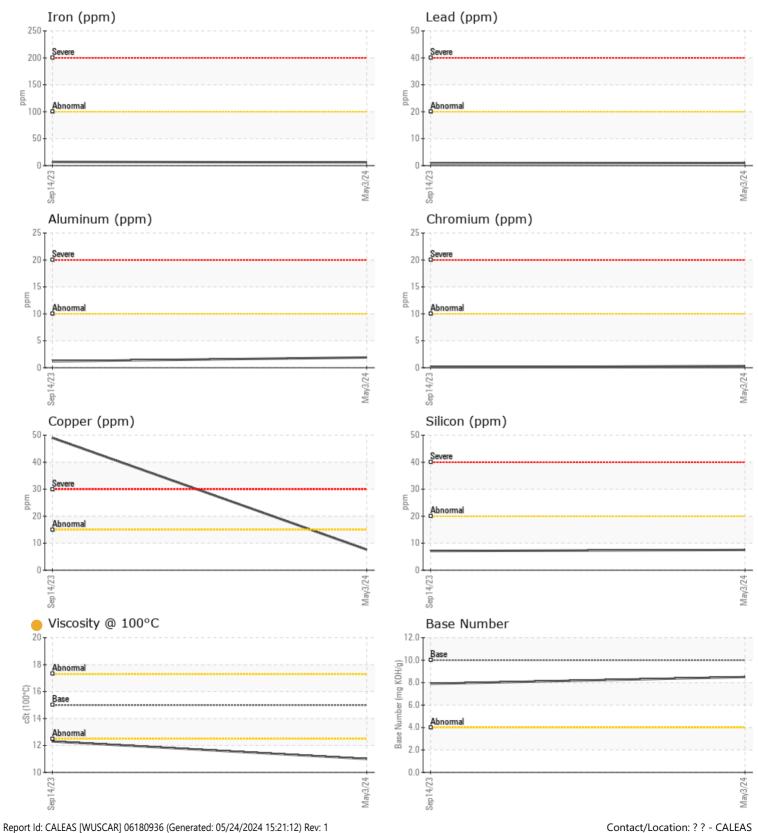
Contact/Location: ? ? - CALEAS

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



^{/2024 15.21.12)} Rev. 1