

CONSTRUCTION EQUIPMENT

SW1026328 STEFFY VOLVO EC200EL 314540 - DIESEL ENGINE

Sample No: VCP441204

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SW1026328 STEFFY

SAMPLE	NFORMATION			
Sample Number		VCP441204	VCP353842	
Sample Date		12 Nov 2023	03 Jun 2022	
Machine Hours		1052	590	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	NORMAL	
Sample Status		ADITORNIAL	TVOTTIVITAL	
VOLVO				
OIL COND	ITION			
Visc @ 100°C	cSt	10.7	13.3	
Base Number (BN)	mg KOH/g	4.8	■ 6.4	
Oxidation (PA)	%	84	55	
VOLVO	NATION			
CONTAMI	NATIUN			
Water	%	NEG	NEG	
Soot %	%	■ 0.1	■ 0.7	
Nitration (PA)	%	83	69	
Sulfation (PA)	%	65	58	
Glycol	%	NEG	NEG	
Fuel	%	■0.8	<1.0	
Silicon	ppm	4 23	1 7	
Sodium	ppm	■<1	3	
Potassium	ppm	4	1 4	
		_	_	
VOLVO	TALC			
WEAR ME	:TALS			
ron	ppm	15	5 1	
Copper	ppm	<u> </u>	1 6	
Lead	ppm	2	- <1	
Tin	ppm	■3	4	
Aluminum	ppm	■ 3	2 1	
Chromium	ppm	■ <1	5	
Molybdenum	ppm	■ 93	■ 3	
Nickel	ppm		0	
Titanium	ppm		<u></u> <1	
Silver	ppm	■0	0	
Manganese	ppm	■3	3	
Vanadium	ppm	0	<1	
	1.0	-		

2358

1105

904

0

63



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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. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). 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.

Depot:VOLVO6174Unique No:10751278Signed:Jonathan HesterReport Date:24 Nov 2023

2075

170

1195

953

0

24

ADDITIVES

ppm ppm

ppm

ppm

ppm

ppm

Calcium

Magnesium Zinc

Phosphorus

Barium

Boron



CONSTRUCTION EQUIPMENT





GRAPH

