

CONSTRUCTION EQUIPMENT 4848HS VOLVO EC350EL 314460 - DIESEL ENGINE



Sample No: VCP405944

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

Job No: 4848HS

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ADDITIVES

VOLVO CAMDI FI	NFORMATION			
	NI ONMATION			 _
Sample Number		VCP405944	VCP402094	
Sample Date		05 Oct 2023	25 Jul 2023	
Machine Hours		622	556	
Oil Hours		0	500	
Oil Changed		Not Changd	Changed	
Sample Status		ABNORMAL	ABNORMAL	
VOLVO				
OIL CONDI	ITION			
Visc @ 100°C	cSt	12.5	1 0.0	
Base Number (BN)	mg KOH/g	10.4	5.2	
Oxidation (PA)	%	75	63	
VOLVO	MATION			
CONTAMI				
Soot %	%	■0	■0.1	
Nitration (PA)	%	49	83	
Sulfation (PA)	%	59	57	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	□ 0.5	
Silicon	ppm	10	■31	
Sodium	ppm	■ <1	■3	
Potassium	ppm	2	4	
WEAR ME	TALS			
Iron	ppm	2	1 1	
Copper	ppm	<u> </u>	<u>^</u> 252	
Lead	ppm	-<1	4	
Tin	ppm	1	3	
Aluminum	ppm	1	2	
Chromium	ppm	■ 0	0	
Molybdenum	ppm	44	■87	
Nickel	ppm	■0	- <1	
Titanium	ppm	0	<1	
Silver	ppm	■ <1	0	

3

2228

20

1230

975

0

30



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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other component wear rates are normal. 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 acceptable for the time in service.

Depot:VOLVO0025Unique No:10685525Signed:Don BaldridgeReport Date:11 Oct 2023

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1700

446

1123

953

0

62



CONSTRUCTION EQUIPMENT





