

CONSTRUCTION EQUIPMENT VOLVO EC350EL 314579 - DIESEL ENGINE



Sample No: VCP451104

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

Job No:

SAMPLE II	NFORMATION				
Sample Number		VCP451104	VCP431850		
Sample Date		15 May 2024	16 Jan 2024		
Machine Hours		0	608		
Oil Hours		0	0		
Oil Changed		Changed	N/A		
Sample Status		ABNORMAL	ABNORMAL		
OIL CONDI	TION				
Visc @ 100°C	cSt	<u>11.8</u>	10.3		
Base Number (BN)		■8.2	7.3		
Oxidation (PA)	%	81	69		
VOLVO					
CONTAMIN	NATION				
Water	%	NEG	NEG		
Soot %	%	■0.1	0.1		
Nitration (PA)	%	66	63		
Sulfation (PA)	%	61	57		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.8		
Silicon	ppm	■ 8	2 3		
Sodium	ppm		_2		
Potassium	ppm	2	5		
WEAR METALS					
_	-		— 12		
Iron	ppm	■7 ▲ 313	□12 ▲ 265		
Copper Lead	ppm	<u></u>	<u>1</u>		
Tin	ppm	2	2		
Aluminum	ppm	2	2		
Chromium	ppm	■ <1	0		
Molybdenum	ppm	49	6 2		
Nickel	ppm	<1	<1		
Titanium	ppm	<1	0		
Silver	ppm	■<1	0		
Manganese	ppm	1	3		
Vanadium	ppm	<1	0		
ADDITIVE	٢				
ADDITIVE					
Calcium	ppm	1622	1657		
Magnesium	ppm	■ 523	408		
Zinc	ppm	1112	1259		
Phosphorus	ppm	■943	1090		
Barium	ppm	■ 0	0		
Boron	ppm	25	7 5		

ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T:

F: (239)481-3302

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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). All other component wear rates are normal. 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:VOLVO0090Unique No:11035301Signed:Sean FeltonReport Date:21 May 2024



CONSTRUCTION EQUIPMENT





