

CONSTRUCTION EQUIPMENT 550403378 VOLVO EC350EL 314508 - DIESEL ENGINE



Sample No: VCP440877

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: \$50403378

VOLVO	NFORMATION			
_	AF URMA HUN			
Sample Number		VCP440877	 	
Sample Date		18 Apr 2024	 	
Machine Hours		1070	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	12.3	 	
Base Number (BN)	ma KOH/a	6.8	 	
Oxidation (PA)	%	44	 	
VOLVO	IATION			
CONTAMIN	NATION			
Water	%	NEG	 	
Soot %	%	■ 0.1	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	46	 	
Glycol	%	NEG	 	
Fuel	%	2.3	 	
Silicon	ppm	■22	 	
Sodium	ppm	■ 3	 	
Potassium	ppm	2	 	
WEAR ME	TALS			
Iron		□ 54	 	
Copper	ppm	■ 10	 	
Lead	ppm	■2	 	
Tin	ppm	4	 	
Aluminum		▲ 100	 	
Chromium	ppm	■13	 	
Molybdenum	ppm	■ 13 ■ 11	 	
Nickel	ppm	■<1	 	
Titanium		■ <1	 	
Silver	ppm	■<1 ■<1	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	
variaululii	ppiii	~ 1	 	
VOLVO				
ADDITIVE:	7			
Calcium	ppm	2223	 	
Magnesium	ppm	131	 	
Zinc	ppm	■986	 	
Phosphorus	ppm	905	 	
Barium	ppm		 	
В				

VCES- VOLVO CONSTRUCTION EQUIPMENT 22099 KNABE ROAD

CORONA, CA US 92883

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Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The aluminum level is severe. Piston wear is indicated. 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.

Depot:VOLVO4486Unique No:11056871Signed:Jonathan HesterReport Date:03 Jun 2024

Boron



CONSTRUCTION EQUIPMENT





