

CONSTRUCTION EQUIPMENT VOLVO EC350EL 316650 - DIESEL ENGINE



Sample No: VCP420600

	Type:	
lak	Nat	

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Phosphorus

Barium

Boron

SAMPLE IN	FORMATION			
Sample Number		VCP420600	 	
Sample Date		16 Jul 2023	 	
Machine Hours		1080	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI				1
Visc @ 100°C	cSt	▲ 12.4	 	
Base Number (BN)		8.9	 	
Oxidation (PA)	%	80	 	
VOLVO				
CONTAMIN	IATION			
Soot %	%	0.2	 	
Nitration (PA)	%	78	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	0.4	 	
Silicon	ppm	11	 	
Sodium	ppm	5	 	
Potassium	ppm	60	 	
	F F			
VOLVO	TALC			
WEAR ME	TALS			
Iron	ppm	12	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	■ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	23	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	56	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	■ <1	 	
Manganese	ppm	∎1	 	
Vanadium	ppm	<1	 	
VOLVO			 	
	7			
		- 2024		
Calcium	ppm	2034	 	
Magnesium	ppm	621	 	
Zinc	ppm	1222	 	



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. Resample at the next service interval to monitor.The copper level is abnormal. All component wear rates are normal. Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The oil viscosity is lower than

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:	VC
Unique No:	10
Signed:	Joi
Report Date:	20

VOLVO0090 10563387 Jonathan Hester 20 Jul 2023

998

0 28

ppm

ppm

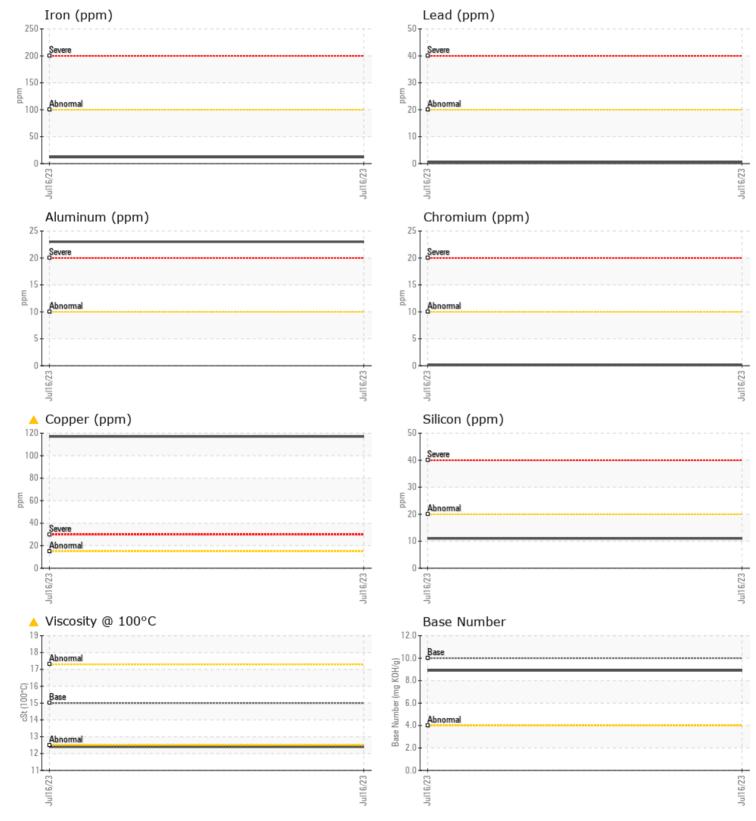
ppm

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TODD LARK - VOLVO0090