## CONSTRUCTION EQUIPMENT SPM659959-10 VOLVO EC350EL 314579 - DIESEL ENGINE

 Sample No:
 VCP431850

 Oil Type:
 {unknown}

 Job No:
 SPM659959-10

VOLVO

VOLVO				
SAMPLE II	NFORMATION			
Sample Number		VCP431850	 	
Sample Date		16 Jan 2024	 	
Machine Hours		608	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	10.3	 	
Base Number (BN)	mg KOH/g	7.3	 	
Oxidation (PA)	%	69	 	
CONTAMII	NATION			
Water	%	NEG	 	
Soot %	%	■0.1	 	
Nitration (PA)	%	63	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	0.8	 	
Silicon	ppm	23	 	
Sodium	ppm	2	 	
Potassium	ppm	5	 	

## WEAR METALS

Iron	ppm	<b>12</b>	 	
Copper	ppm	🔺 265	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	62	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	<b>1657</b>				
Magnesium	ppm	<b>408</b>				
Zinc	ppm	<b>1259</b>				
Phosphorus	ppm	<b>1090</b>				
Barium	ppm	0				
Boron	ppm	<b>75</b>				



#### 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

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 metal levels are typical for a new component breaking in. Fuel content negligible. 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:
 VOLVO0090

 Unique No:
 10857569

 Signed:
 Jonathan Hester

 Report Date:
 02 Feb 2024

Report Id: VOLVO0090 [WUSCAR] 06075478 (Generated: 02/02/2024 10:09:16) Rev: 1

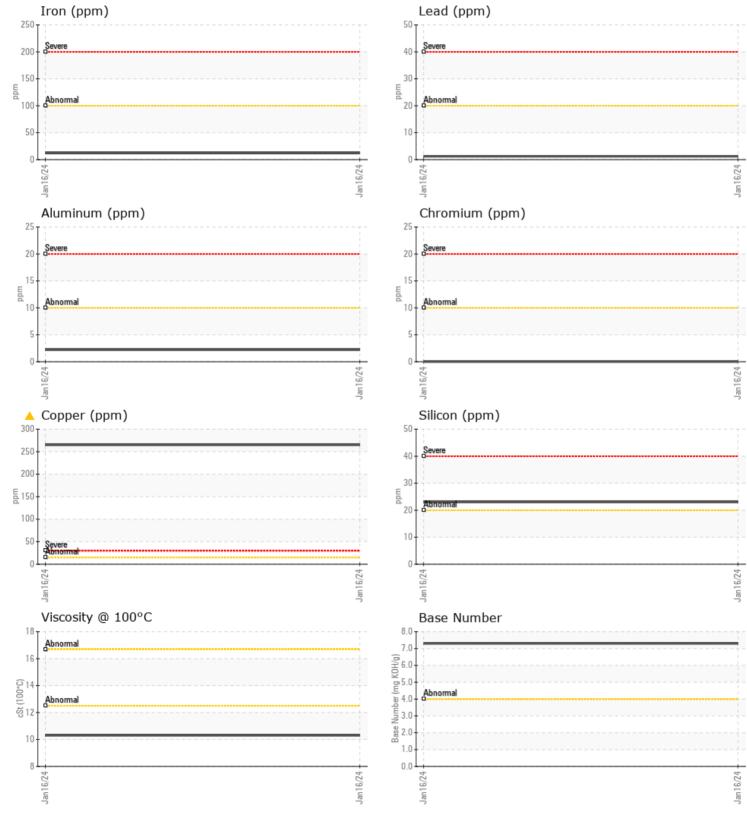
Contact/Location: TODD LARK - VOLVO0090

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: TODD LARK - VOLVO0090