

# **CONSTRUCTION EQUIPMENT** VOLVO EC300EL 314178 - DIESEL ENGINE



100

Sample No: VCP437752

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

### Job No:

SAMPLE II	NFORMATION			
Sample Number	-	VCP437752	VCP350797	 
Sample Date		11 Apr 2024	24 Feb 2022	 
Machine Hours		2342	336	 
Oil Hours		0	336	 
Oil Changed		Changed	Changed	 
Sample Status		ABNORMAL	ABNORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	13.0	12.6	 
Base Number (BN)	mg KOH/g	9.2	8.1	 
Oxidation (PA)	%	81	42	 
CONTAMI	NATION			 
Water	%	NEG	NEG	 
Soot %	%	0.2	0.1	 
Nitration (PA)	%	75	62	 
Sulfation (PA)	%	58	49	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	9	17	 
Sodium	ppm	<b>10</b>	3	 
Potassium	ppm	19	10	 
WEAR ME	TALS			 
Iron	ppm	<b>18</b>	23	 
Copper	ppm	<b>4</b>	11	 
Lead	ppm	<b>1</b>	3	 
Tin	ppm	2	2	 
Aluminum	ppm	<b>1</b> 2	<b>4</b> 37	 
Chromium	ppm	<b>1</b>	3	 
Molybdenum	ppm	54	2	 
Nickel	ppm	<b>1</b>	5	 
Titanium	ppm	<1	<1	 
Silver	ppm	0	1	 

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#### 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

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum 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.

#### Silver ppm 0 Manganese **||** <1 3 ppm 0 Vanadium <1 ppm ADDITIVES 1846 Calcium 2094 ppm

	1.1		_	
Magnesium	ppm	631	289	 
Zinc	ppm	1243	1156	 
Phosphorus	ppm	<b>1050</b>	1043	 
Barium	ppm	0	0	 
Boron	ppm	28	10	 

Depot: VOLVO0090 Unique No: 10978451 Signed: Sean Felton Report Date: 17 Apr 2024

Report Id: VOLVO0090 [WUSCAR] 06148373 (Generated: 04/17/2024 13:22:53) Rev: 1

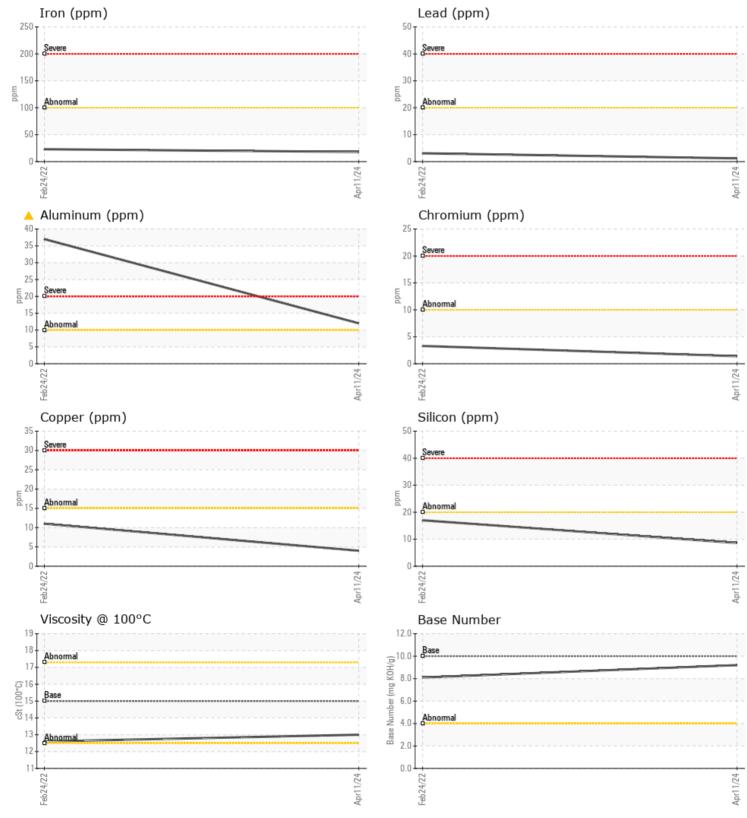
Contact/Location: TODD LARK - VOLVO0090

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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