## CONSTRUCTION EQUIPMENT X13164 ENVIRO VOLVO EC250DLR 210254 - DIESEL ENGINE

Sample No:VCE212600Oil Type:DIESEL ENGINE OIL SAE 15W40Job No:X13164 ENVIRO

VOLVO

## SAMPLE INFORMATION Sample Number VCE212600 Sample Date 18 Jul 2023 Machine Hours 8674 Oil Hours 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.1 Base Number (BN) mg KOH/g 9.2 Oxidation (PA) 86 %

	NATION			
Soot %	%	0.2	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	69	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	2	 	
Potassium	ppm	<b>1</b> 3	 	

WFAR METAL

WEAN I	METALS			
Iron	ppm	<b>1</b> 1	 	
Copper	ppm	∎1	 	
Lead	ppm	<b>□</b> <1	 	
Tin	ppm		 	
Aluminum	ppm	<b>4</b>	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>100</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	2075					
Magnesium	ppm	563					
Zinc	ppm	1133					
Phosphorus	ppm	918					
Barium	ppm	<b>1</b>					
Boron	ppm	264					



SCOTT EQUIPMENT COMPANY LLC - Broussard 100 IDA ROAD BROUSSARD, LA US 70518 Contact: ADAM FEIRMAN afeirman@scottcompanies.com T: (337)837-2907

## Diagnosis

F: (337)837-5116

Resample at the next service interval to monitor.All component wear rates are normal. Elevated aluminum (AI) 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO6241

 Unique No:
 10566086

 Signed:
 Wes Davis

 Report Date:
 24 Jul 2023

Report Id: VOLVO6241 [WUSCAR] 05904730 (Generated: 07/24/2023 09:28:39) Rev: 1

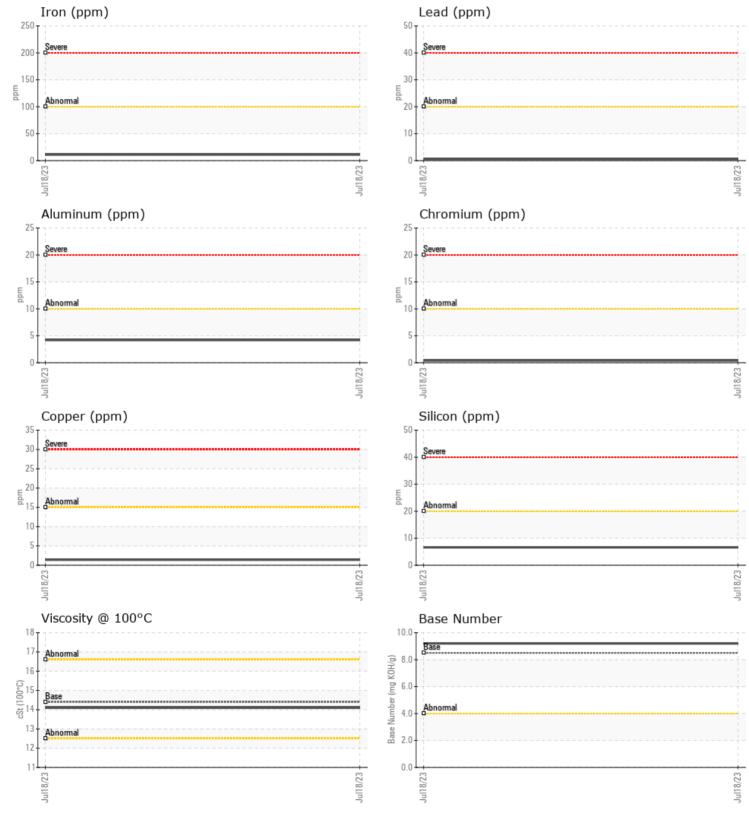
Contact/Location: ADAM FEIRMAN - VOLVO6241

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: ADAM FEIRMAN - VOLVO6241