

## **CONSTRUCTION EQUIPMENT**

SW1034335 BRIGHTGATE VOLVO EC240BLC 100037 - DIESEL ENG

Sample No: VCP438000

Oil Type: **DIESEL ENGINE OIL SAE 15W40** 

Job No: SW1034335 BRIGHTGATE

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	-	VCP438000	 	
Sample Date		08 May 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
VOLVO	TION			
OIL CONDI	TIUN			
Visc @ 100°C	cSt	<u> </u>	 	
Base Number (BN)	mg KOH/g	<b>15.6</b>	 	
Oxidation (PA)	%	61	 	
CONTAMIN	MULTUR			
_	-		 <u>.</u>	
Water	%	NEG	 	
Soot %	%	■ 0.6	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	44	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>10</b>	 	
Sodium	ppm	<b>△</b> 46	 	
Potassium	ppm	<u> </u>	 	
WEAR ME	ZIAT			
•			 <u>.</u>	
Iron	ppm	■83	 	
Copper	ppm	<b>■16</b>	 	
Lead	ppm	■3	 	
Tin	ppm	■0	 	
Aluminum	ppm	■4	 	
Chromium	ppm	■2	 	
Molybdenum	ppm	<b>61</b>	 	
Nickel	ppm	<b>■</b> 0	 	
Titanium	ppm	■0	 	
Silver	ppm	■0	 	
Manganese	ppm	<b>■&lt;1</b>	 	
Vanadium	ppm	<1	 	
ADDITIVE	,			
_				
Calcium	ppm	■1816	 	
Magnesium	ppm	<b>414</b>	 	
Zinc	ppm	<b>1279</b>	 	
Phosphorus	ppm	<b>1069</b>	 	

### ARNOLD MACHINERY COMPANY

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## Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VOLVO6174 **Unique No:** 11029612 Signed: Jonathan Hester Report Date: 17 May 2024

**0** 

ppm

ppm

Barium

Boron



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#### GRAPHS

