CONSTRUCTION EQUIPMENT RS0-036291 VOLVO ECR88D 217195 - DIESEL ENGINE

Sample No:	VCP435590
Oil Type:	DIESEL ENGINE OIL SAE 40
Job No:	RSO-036291

VOLVO

#### SAMPLE INFORMATION VCP435590 Sample Number Sample Date 29 Nov 2023 Machine Hours 808 Oil Hours 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.7 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) 90 % CONTAMINATION % NEG Water Soot % 0/

S00t %	%	0.2	 	
Nitration (PA)	%	76	 	 (
Sulfation (PA)	%	66	 	
Glycol	%	NEG	 	 i
Fuel	%	<1.0	 	 1
Silicon	ppm	<b>18</b>	 	 1
Sodium	ppm	0	 	 i
Potassium	ppm	3	 	 5

## WEAR METALS

Iron	ppm	34	 	
Copper	ppm	39	 	
Lead	ppm	0	 	
Tin	ppm	□<1	 	
Aluminum	ppm	<b>1</b> 0	 	
Chromium	ppm	2	 	
Molybdenum	ppm	<b>41</b>	 	
Nickel	ppm	□<1	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITIV	VES			
Calcium	ppm	<b>1716</b>	 	
Magnesium	ppm	<b>453</b>	 	
Zinc	ppm	<b>1084</b>	 	
Phosphorus	ppm	890	 	
Barium	ppm	0	 	
Boron	ppm	25	 	



#### COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY BIRMINGHAM, AL US 35217 Contact: BRANTLY CLAY bclay@cowin.com T: F: (205)856-2106

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a new component breaking in. 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:
 VOLV08528

 Unique No:
 10766825

 Signed:
 Wes Davis

 Report Date:
 01 Dec 2023

Report Id: VOLVO8528 [WUSCAR] 06022325 (Generated: 12/01/2023 19:06:40) Rev: 1

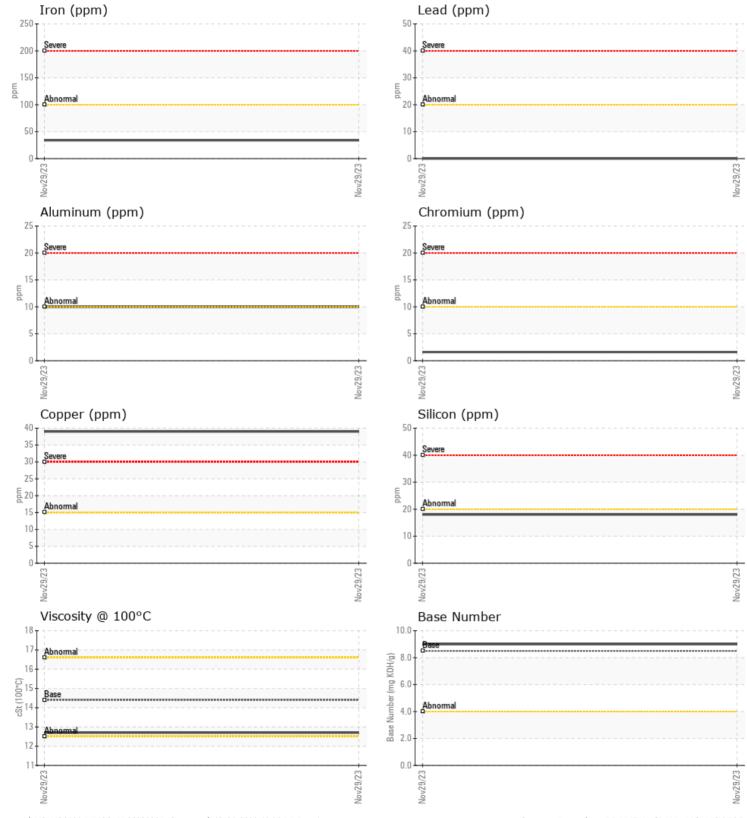
Contact/Location: BRANTLY CLAY - VOLVO8528

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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