# CONSTRUCTION EQUIPMENT



Sample No:VCE74011Oil Type:DIESEL ENGINE OIL SAE 40

12852

Job No:

VOLVO

#### SAMPLE INFORMATION VCE74011 Sample Number Sample Date 18 Apr 2024 Machine Hours 102 102 Oil Hours Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 8.3 Oxidation (PA) 39 % CONTAMINATION NEG Water % % Soot % 0.1 Nitration (PA) % 32 Sulfation (PA) % 45 Glycol % NEG Fuel % <1.0 **17** Silicon ppm Sodium ppm 3



#### TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH SIOUX FALLS, SD US 57104 Contact: NATHAN MATZEN nathan.matzen@transourceusa.com T: (605)336-2000 F: (605)336-2248

### 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 components first oil change. 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.

Potassiu	m
VOLVO	

ppm

3

WEAR I	METALS			
Iron	ppm	12	 	
Copper	ppm	5	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	3	 	
Chromium	ppm	2	 	
Molybdenum	ppm	<b>46</b>	 	
Nickel	ppm		 	
Titanium	ppm	□<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	2249					
Magnesium	ppm	275					
Zinc	ppm	1167					
Phosphorus	ppm	981					
Barium	ppm	<b>□</b> <1					
Boron	ppm	250					

 Depot:
 VOLVO0035

 Unique No:
 10992071

 Signed:
 Wes Davis

 Report Date:
 23 Apr 2024

Report Id: VOLVO0035 [WUSCAR] 06156648 (Generated: 04/23/2024 17:35:41) Rev: 1

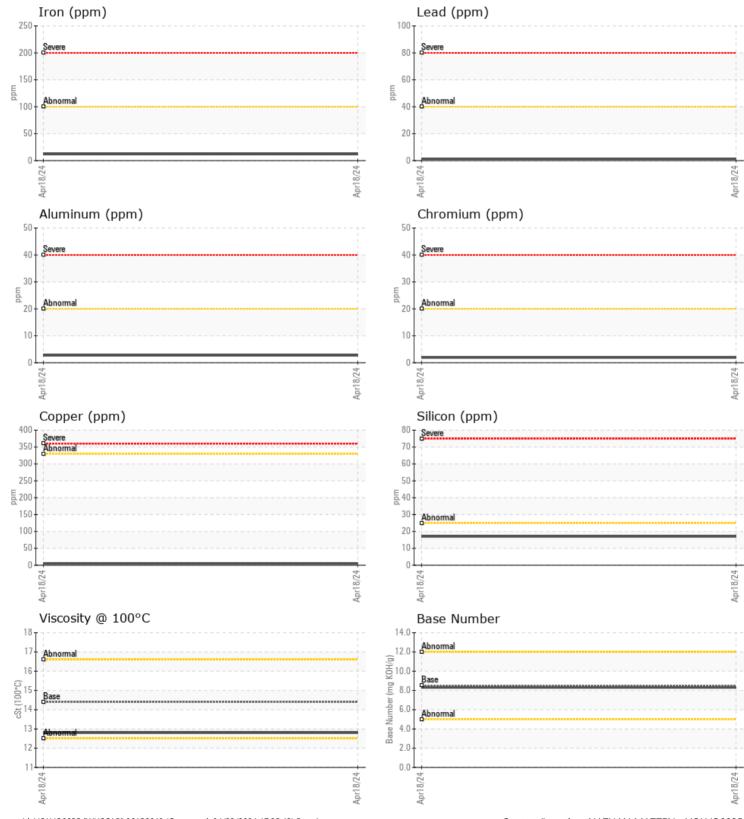
Contact/Location: NATHAN MATZEN - VOLVO0035

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: NATHAN MATZEN - VOLVO0035