

## CONSTRUCTION EQUIPMENT VOLVO DD35B 273540 - DIESEL ENGINE



 Sample No:
 VCP430693

 Oil Type:
 MOBIL 15W40

#### Job No:

	FORMATION			
Sample Number		VCP430693	 	
Sample Date		04 Jan 2024	 	
Machine Hours		880	 	
Oil Hours		360	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>10.3</b>	 	
Base Number (BN)		8.2	 	
Oxidation (PA)	%	78	 	
Oxidation (PA)	70	10	 	
VOLVO				
CONTAMIN	IATION			
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	85	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<b>A</b> 7.7	 	
Silicon	ppm	<b>1</b> 0	 	
Sodium	ppm	<b>4</b>	 	
Potassium	ppm	0	 	
WEAR ME	τλις			
<u> </u>	TAL3			
Iron	ppm	29	 	
Copper	ppm	<b>79</b>	 	
Lead	ppm	■<1	 	
Tin	ppm	0	 	
Aluminum	ppm	3	 	
Chromium	ppm		 	
Molybdenum	ppm	62	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	0	 	
	7			
		A 1196		
Calcium	ppm	▲ 1186	 	
Magnesium	ppm	887	 	
Zinc	ppm	1256	 	
Phosphorus	ppm	<b>1028</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>1</b> 4	 	

#### ARNOLD MACHINERY COMPANY

3330 NORTH YELLOWSTONE HIGHWAY IDAHO FALLS, ID US 83401 Contact: JASON MERRILL jmerrill@arnoldmachinery.com T: (208)523-0822 F: (208)523-9918

### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Metal levels are typical for a new component breaking in. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Calcium ppm levels are abnormally low. Visc @ 100°C is abnormally low. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO0077

 Unique No:
 10832044

 Signed:
 Wes Davis

 Report Date:
 18 Jan 2024

Report Id: VOLVO0077 [WUSCAR] 06060662 (Generated: 01/18/2024 09:17:03) Rev: 1

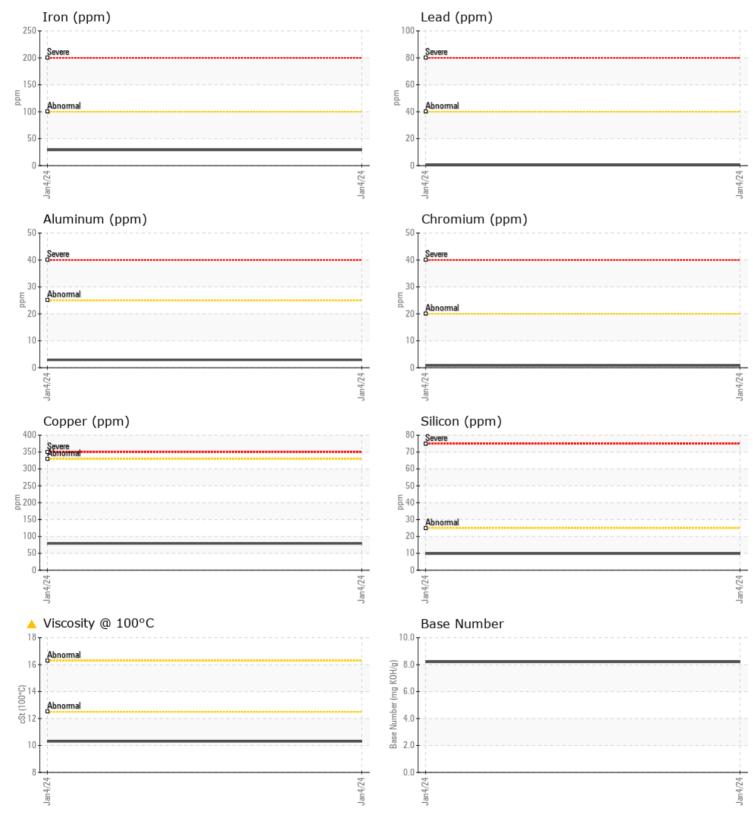
Contact/Location: JASON MERRILL - VOLVO0077

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0077 [WUSCAR] 06060662 (Generated: 01/18/2024 09:17:06) Rev: 1

Contact/Location: JASON MERRILL - VOLVO0077