CONSTRUCTION EQUIPMENT 3495BR VOLVOL180F11639 - DIESEL ENGINE



Sample No:VCP435033Oil Type:DIESEL ENGINE OIL SAE 40Job No:3495BR

VOLVO

	NFORMATION			 
Sample Number		VCP435033		 
Sample Date		05 Sep 2023		 
Machine Hours		11979		 
Oil Hours		0		 
Oil Changed		Not Changd		 
Sample Status		NORMAL		 
OIL CONDI				
	-		<u>_</u>	
Visc @ 100°C	cSt	<b>12.8</b>		 
Base Number (BN)	mg KOH/g	6.9		 
Oxidation (PA)	%	55		 
CONTAMI	NATION			
Soot %	%	0.5		 
Nitration (PA)	%	73		 
Sulfation (PA)	%	56		 
Glycol	%	NEG		 
Fuel	%	<1.0		
Fuel Silicon	% ppm	<1.0		 

WEAR I	METALS			
Iron	ppm	9	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	2	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	7	 	
Nickel	ppm	0	 	
Titanium	ppm	77	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	1	 	

Variaulu

ADDITIVES							
Calcium	ppm	1742					
Magnesium	ppm	<b>411</b>					
Zinc	ppm	1123					
Phosphorus	ppm	939					
Barium	ppm	0					
Boron	ppm	81					



HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

## 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.

All component wear rates are normal. 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:
 INSEPH

 Unique No:
 10634954

 Signed:
 Wes Davis

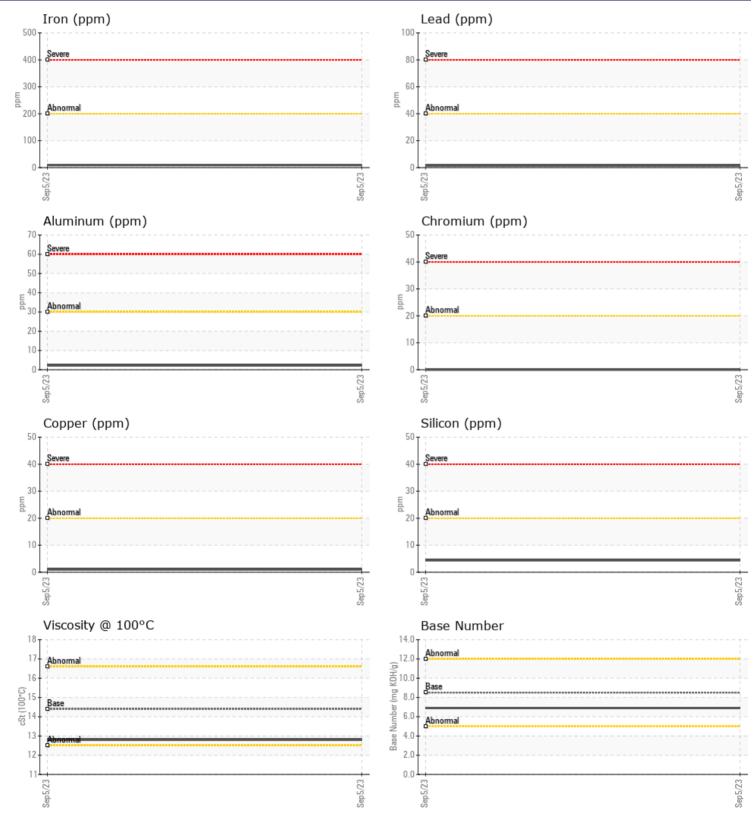
 Report Date:
 08 Sep 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: INSEPH [WUSCAR] 05944342 (Generated: 09/20/2023 07:41:16) Rev: 1

Contact/Location: CHAD HERRON - INSEPH