CONSTRUCTION EQUIPMENT 2974-01 DEALER STOCK VOLVO SD45B 230447 - DIESEL ENGINE

Sample No:VC019922Oil Type:FACTORY FILLJob No:2974-01 DEALER STOCK

VOLVO

VOLVO				
	E INFORMATION			
Sample Number		VC019922	 	
Sample Date		24 Oct 2022	 	
Machine Hours		3	 	
Oil Hours		3	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CON	NITION			
Base Number (BN		24.2	 	
Oxidation (PA)	%	95	 	
	,,,			
VOLVO				
	MINATION			
Water	%	<b>9</b> 5.44	 	
Soot %	%	0.2	 	
Nitration (PA)	%	148	 	
Sulfation (PA)	%	18	 	
Glycol	%	0.0	 	
Fuel	%	0.3	 	
Silicon	ppm	<b>11</b>	 	
Sodium	ppm	<b>4</b>	 	
Potassium	ppm	2	 	
WEAR N	METALS			
Iron	ppm	6	 	
	PPIII			

Iron	ppm	6	 	 
Copper	ppm	8	 	
Lead	ppm	■ <1	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>41</b>	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

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ADDITIVES								
ppm	<b>1803</b>							
ppm	<b>450</b>							
ppm	<b>1120</b>							
ppm	909							
ppm	0							
ppm	65							
	ppm ppm ppm ppm ppm	ppm 1803 ppm 450 ppm 1120 ppm 909 ppm 0	ppm  1803     ppm  450     ppm  1120     ppm  909     ppm  0	ppm  1803     ppm  450     ppm  1120     ppm  909     ppm  0				

TRI-STATE TRUCK & EQUIP INC

5024 TRI-HILL FRONTAGE ROAD GREAT FALLS, MT US 59404 Contact: TOM VOLK tomv@tste.com T: (406)452-9551 F: (406)452-9831

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test.All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. Test for glycol is negative. The oil is no longer serviceable due to the presence of contaminants.

Depot:VUnique No:10Signed:JoReport Date:01

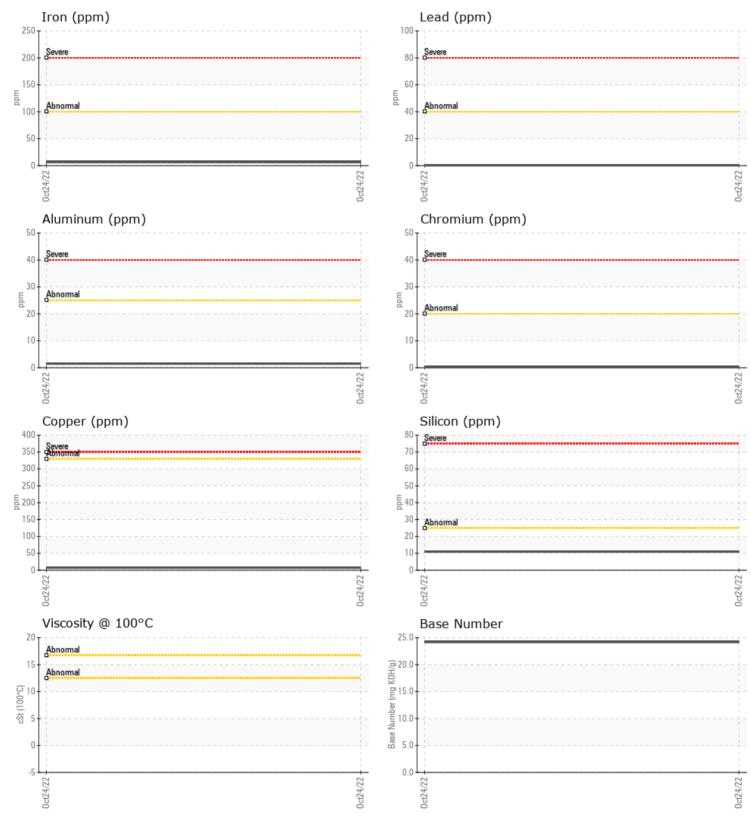
VOLVO0118 10191761 Jonathan Hester 01 Nov 2022

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0118 [WUSCAR] 05677190 (Generated: 08/23/2023 10:10:18) Rev: 1

Contact/Location: TOM VOLK - VOLVO0118