## CONSTRUCTION EQUIPMENT 578854 VOLVO A30 753223 - DIESEL ENGINE



## Sample No: VCP411694

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	578854

#### SAMPLE INFORMATION Sample Number VCP411694 Sample Date 03 Jul 2023 Machine Hours 274 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.9** Base Number (BN) mg KOH/g 7.4 Oxidation (PA) % 56 CONTAMINATION 0.3 % Soot % Nitration (PA) % 74 Sulfation (PA) % 53 % NEG Glycol Fuel % 0.6 Silicon ppm 78 Sodium ppm **4** Potassium ppm 5

### WEAR METALS

WEAR P	ICIALS			
Iron	ppm	<b>1</b> 6	 	
Copper	ppm	<b>A</b> 125	 	
Lead	ppm	<b>□</b> <1	 	
Tin	ppm	2	 	
Aluminum	ppm	□ <1	 	
Chromium	ppm		 	
Molybdenum	ppm	83	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	<b>□</b> <1	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	

Vanadid

ADDITIVES							
Calcium	ppm	2218					
Magnesium	ppm	21					
Zinc	ppm	<b>1152</b>					
Phosphorus	ppm	986					
Barium	ppm	0					
Boron	ppm	54					



**BLUE GOOSE GROWERS** 16059 W ORANGE AVE

FT PIERCE, FL US 34945 Contact: SERVICE MANAGER

T: (772)461-3020 F:

#### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:BLUFORUnique No:10547687Signed:Jonathan HesterReport Date:11 Jul 2023

Report Id: BLUFOR [WUSCAR] 05891877 (Generated: 07/11/2023 15:33:56) Rev: 1

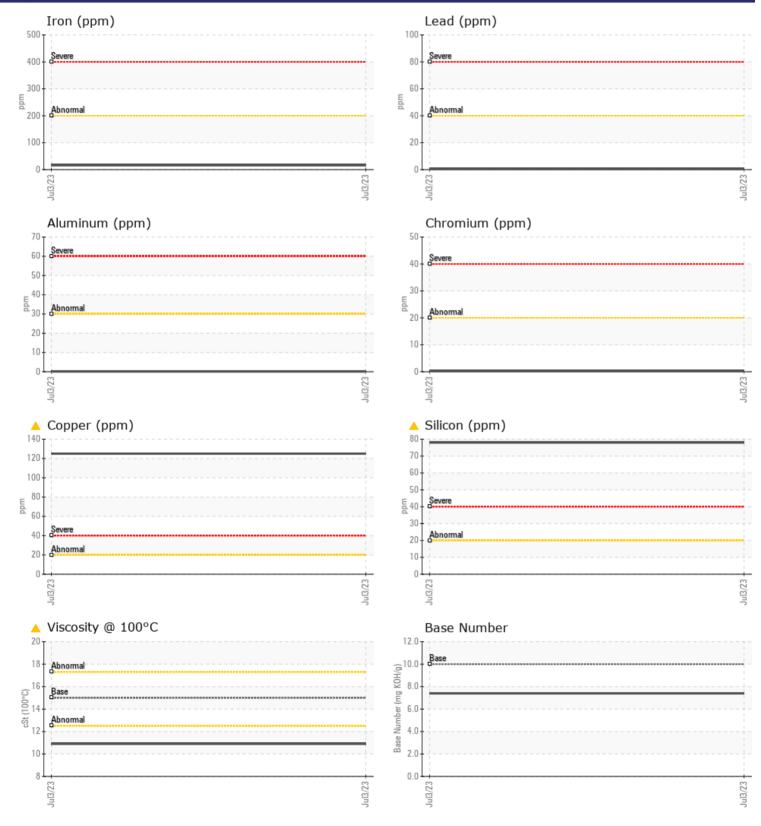
Contact/Location: SERVICE MANAGER - BLUFOR

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: SERVICE MANAGER - BLUFOR