## CONSTRUCTION EQUIPMENT HUGES BROTHERS VOLVO A40G 535316 - DIESEL ENGINE



Sample No: VCP282896

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

HUGES BROTHERS

VOLVO					
	INFORMATION				
Sample Number		VCP282896		 	
Sample Date		19 Jan 2024		 	
Machine Hours		2514		 	
Oil Hours		0		 	
Oil Changed		Not Changd		 	
Sample Status		ABNORMAL		 	
OIL CONE	DITION				
Visc @ 100°C	cSt	<b>12.0</b>		 	
Base Number (BN	) mg KOH/g	8.9		 	
Oxidation (PA)	%	55		 	
CONTAM	INATION		-		
Water	%	NEG		 	
Soot %	%	<b>0.1</b>		 	
Nitration (PA)	%	52		 	
Sulfation (PA)	%	52		 	
Glycol	%	NEG		 	
Fuel	%	0.3		 	
Silicon	ppm	<b>4</b>		 	
Sodium	ppm	<b>A</b> 174		 	
Potassium	ppm	2		 	

otassium

WEAR N	METALS		 	
Iron	ppm	<b>10</b>	 	
Copper	ppm	<b>1</b> 0	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	0	 	
Molybdenum	ppm	51	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	1853				
Magnesium	ppm	351				
Zinc	ppm	1157				
Phosphorus	ppm	969				
Barium	ppm	0				
Boron	ppm	3				



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD ORLANDO, FL US 32824 Contact: BRAD BYRO bradley.byro@altg.com T: (407)850-9614 F: (407)659-8720

## Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO0096

 Unique No:
 10845946

 Signed:
 Jonathan Hester

 Report Date:
 26 Jan 2024

Report Id: VOLVO0096 [WUSCAR] 06069269 (Generated: 01/28/2024 16:14:03) Rev: 1

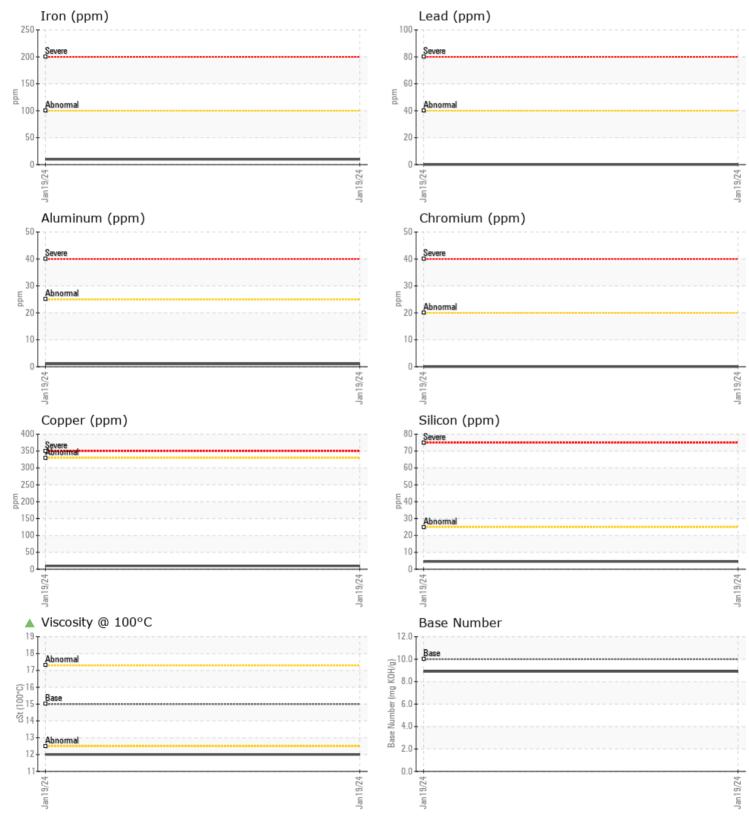
Contact/Location: BRAD BYRO - VOLVO0096

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0096 [WUSCAR] 06069269 (Generated: 01/28/2024 16:14:05) Rev: 1

Contact/Location: BRAD BYRO - VOLVO0096