

# CONSTRUCTION EQUIPMENT VOLVO A45G 353134 - DIESEL ENGINE



### Sample No: VCP426567

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

## Oil Type: Job No:

	INFORMATION			 	
Sample Number		VCP426567		 	
Sample Date		01 Sep 2023		 	
Machine Hours		1286		 	
Oil Hours		0		 	
Oil Changed		Changed		 	
Sample Status		ABNORMAL		 	
OIL CON					
			-		
Visc @ 100°C	cSt	<mark>▲</mark> 11.8		 	
Base Number (BN		7.4		 	
Oxidation (PA)	%	74		 	
VOLVO					
CONTAM	INATION				
Soot %	%	0.5		 	
Nitration (PA)	%	72		 	
Sulfation (PA)	%	61		 	
Glycol	%	NEG		 	
Fuel	%	<b>4</b> .4		 	
Silicon	ppm	<b>1</b> 2		 	
Sodium	ppm	3		 	
Potassium	ppm	<b>1</b>		 	
WEAR M	IETALS				
Iron	ppm	<b>1</b> 8		 	
Copper	ppm	<b>101</b>		 	
Lead	ppm	2		 	
Tin	ppm	3		 	
Aluminum	ppm	3		 	
Chromium	ppm	<b>□</b> <1		 	
Molybdenum	ppm	57		 	
Nickel	ppm	<b>1</b> 0		 	
Titanium	ppm	<1		 	
C'1					

Vanadium

Manganese

Silver

ADDITIVES									
Calcium	ppm	1871							
Magnesium	ppm	<b>441</b>							
Zinc	ppm	1131							
Phosphorus	ppm	899							
Barium	ppm	0							
Boron	ppm	27							



#### ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

# Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Valve wear is indicated. All other component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VOLVO0090

 Unique No:
 10642233

 Signed:
 Don Baldridge

 Report Date:
 12 Sep 2023

Report Id: VOLVO0090 [WUSCAR] 05946274 (Generated: 09/12/2023 13:06:42) Rev: 1

0

2

<1

ppm

ppm

ppm

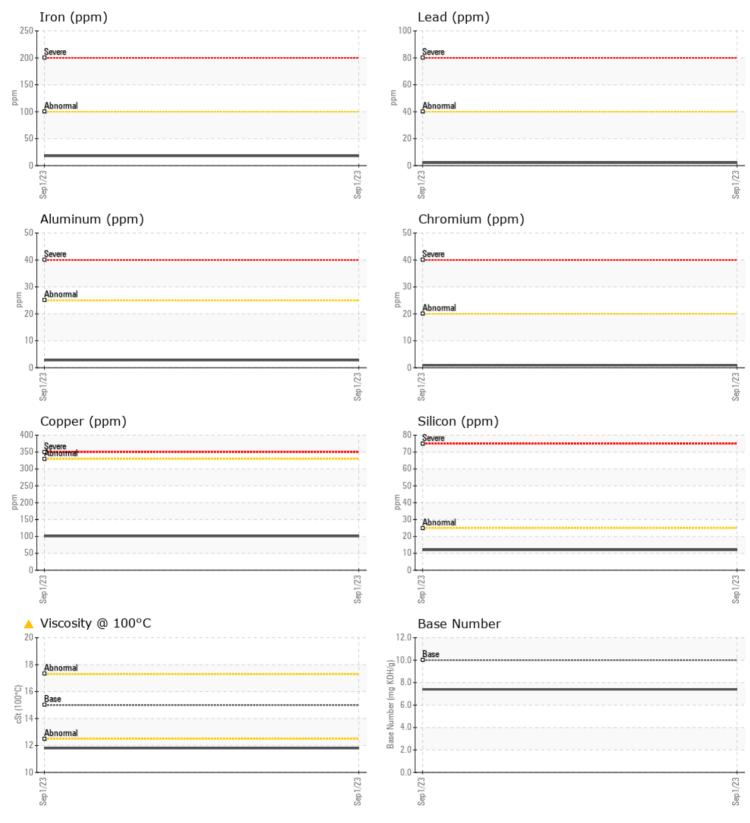
Contact/Location: TODD LARK - VOLVO0090

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 05946274 (Generated: 09/12/2023 13:06:45) Rev: 1

Contact/Location: TODD LARK - VOLVO0090