CONSTRUCTION EQUIPMENT 633493 VOLVO A45G 353505 - DIESEL ENGINE



 Sample No:
 VCP432953

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

633493

SAMPLE II	NFORMATION			
Sample Number	-	VCP432953	 	
Sample Date		09 Nov 2023	 	 C
Machine Hours		1583	 	 5
Oil Hours		0	 	 C
Oil Changed		Changed	 	 U
Sample Status		ABNORMAL	 	 C
				n
OIL CONDI	TION			T F
Visc @ 100°C	cSt	<mark>•</mark> 9.8	 	
Base Number (BN)	mg KOH/g	3.6	 	
Oxidation (PA)	%	87	 	 C
CONTAMI	NATION		 	 t á
Water	%	NEG	 	 (
Soot %	%	0.9	 	 t
Nitration (PA)	%	99	 	 F
Sulfation (PA)	%	73	 	
Glycol	%	NEG	 	 r
Fuel	%	<mark>▲</mark> 5.2	 	 E
Silicon	ppm	<mark>▲</mark> 32	 	 r
Sodium	ppm	4	 	 r
Potassium	ppm	3	 	 i

VOLVO

WEAR I	METALS			
Iron	ppm	63	 	
Copper	ppm	188	 	
Lead	ppm	4	 	
Tin	ppm	8	 	
Aluminum	ppm	4	 	
Chromium	ppm	■ 4	 	
Molybdenum	ppm	78	 	
Nickel	ppm	1 4	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	<1	 	

ADDITIVES						
Calcium	ppm	2091				
Magnesium	ppm	15				
Zinc	ppm	1109				
Phosphorus	ppm	914				
Barium	ppm	0				
Boron	ppm	9				



ORANGE COUNTY SOLID WASTE

5901 YOUNG PINE ROAD DRLANDO, FL JS 32829 Contact: MICHAEL BEEBE nichael.beebe@ocfl.net T: (407)836-6652 T: (407)836-6650

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. 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. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. Fuel is present in the oil and is lowering the viscosity.

 Depot:
 ORAORL

 Unique No:
 10741296

 Signed:
 Doug Bogart

 Report Date:
 04 Dec 2023

Report Id: ORAORL [WUSCAR] 06007534 (Generated: 12/05/2023 01:13:36) Rev: 1

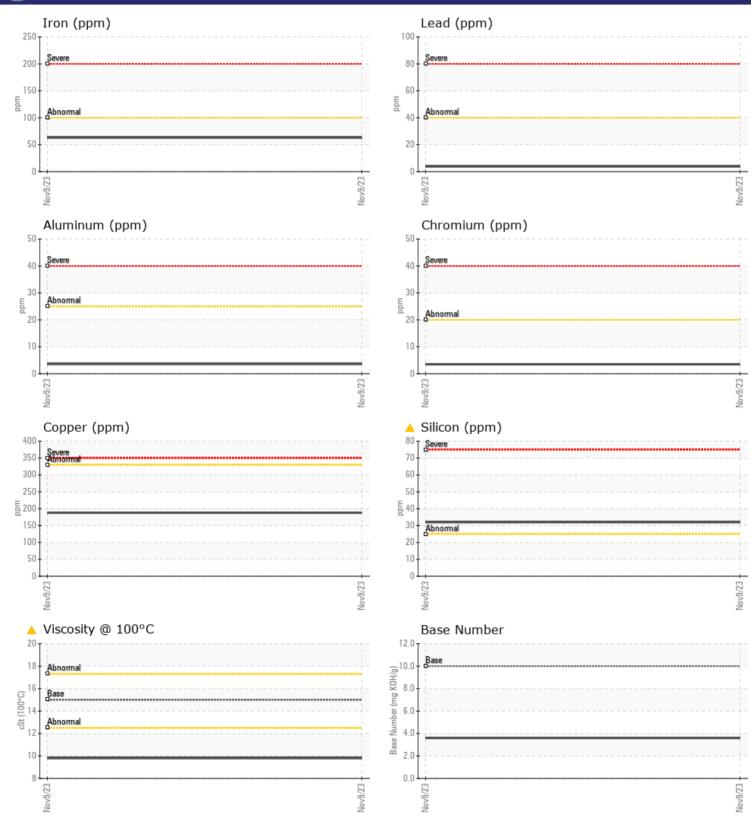
Contact/Location: MICHAEL BEEBE - ORAORL

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: MICHAEL BEEBE - ORAORL