## CONSTRUCTION EQUIPMENT 20903 HELLAS CONSTR VOLVO L 1 10H 63 1589 - DIESEL ENGINE

Sample No: VCE237416

VOLVO

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

Job No: 20903 HELLAS CONSTR

## SAMPLE INFORMATION VCE237416 Sample Number Sample Date 20 Oct 2023 Machine Hours 3939 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 8.3 Oxidation (PA) 76 % CONTAMINATION % 0.6 Soot % Nitration (PA) % 79 Sulfation (PA) 0/ 65

Sunation (FA)	/0	05	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>1</b> 0	 	
Sodium	ppm	2	 	 ;
Potassium	ppm	0	 	 
				-

WEAR METAL

WEAR I	METAL3			
Iron	ppm	22	 	
Copper	ppm	3	 	
Lead	ppm	3	 	
Tin	ppm	2	 	
Aluminum	ppm	<b>1</b> 4	 	
Chromium	ppm		 	
Molybdenum	ppm	154	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	<b>□</b> <1	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	

ppm			ADITIVES							
ppm	<b>1506</b>									
ppm	746									
ppm	974									
ppm	657									
ppm	0									
ppm	220									
	ppm ppm ppm	ppm 974 ppm 657 ppm 0	ppm 974 ppm 657 ppm 0	ppm 974 ppm 657 ppm 0						



520 - ASCENDUM MACHINERY INC - KNOXVILLE 5730 RUTLEDGE PIKE KNOXVILLE, TN US 37924 Contact: BRANDON GRANT

Contact: BRANDON GRANT brandon.grant@ascendummachinery.com T: (865)525-1845 F: (865)525-0251

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLV00124

 Unique No:
 10711582

 Signed:
 Sean Felton

 Report Date:
 27 Oct 2023

Report Id: VOLVO0124 [WUSCAR] 05988920 (Generated: 10/27/2023 15:26:44) Rev: 1

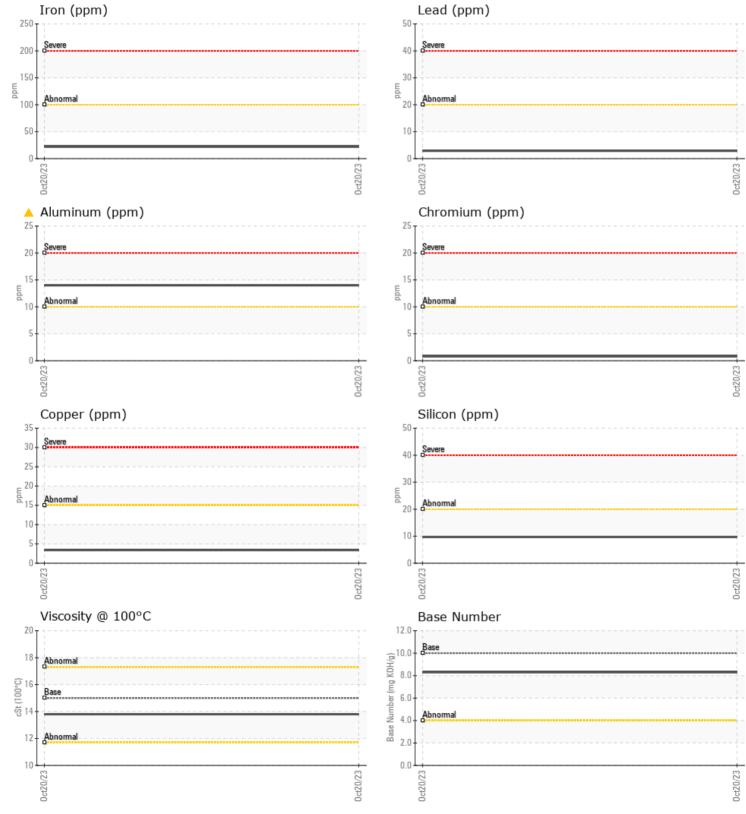
Contact/Location: BRANDON GRANT - VOLVO0124

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: BRANDON GRANT - VOLVO0124