CONSTRUCTION EQUIPMENT S50402246 VOLVOL110H 632424 - DIESEL ENGINE



 Sample No:
 VCP435919

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 S50402246

VOLVO

## SAMPLE INFORMATION Sample Number VCP435919 Sample Date 06 Dec 2023 Machine Hours 1019 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.2 Base Number (BN) mg KOH/g 8.5 Oxidation (PA) 86 % CONTAMINATION

Water	%	NEG	 	
Soot %	%		 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	64	 	
Glycol	%	NEG	 	
Fuel	%	0.4	 	
Silicon	ppm	<b>15</b>	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	

WFAR METALS

Iron	ppm	8	 	
Copper	ppm	🔺 117	 	
Lead	ppm	■<1	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>46</b>	 	
Nickel	ppm	<b></b> <1	 	
Titanium	ppm	<b>  </b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	1726			
Magnesium	ppm	<b>459</b>			
Zinc	ppm	1125			
Phosphorus	ppm	971			
Barium	ppm	<b>12</b>			
Boron	ppm	25			



VCES- VOLVO CONSTRUCTION EQUIPMENT

9150 GOLDEN STATE HIGHWAY BAKERSFIELD, CA US 93308 Contact: FRANK VALENTE frank.valente@vcesvolvo.com T: (661)847-8234 F: (661)387-6091

## Diagnosis

No corrective action is recommended at this time. 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. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO4484

 Unique No:
 10790352

 Signed:
 Doug Bogart

 Report Date:
 27 Dec 2023

Report Id: VOLVO4484 [WUSCAR] 06035123 (Generated: 12/28/2023 16:56:30) Rev: 1

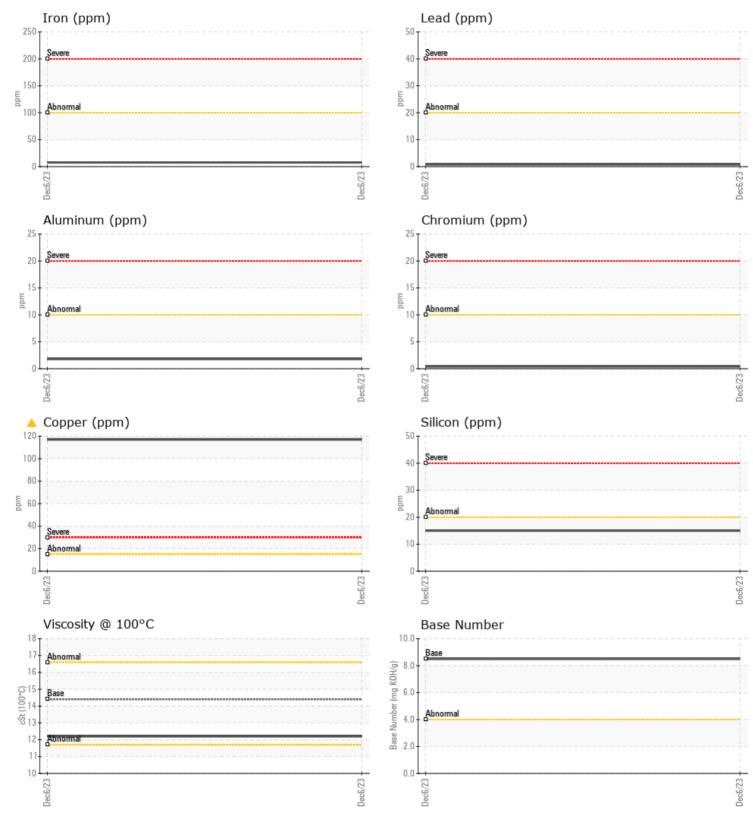
Contact/Location: FRANK VALENTE - VOLVO4484

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: FRANK VALENTE - VOLVO4484