CONSTRUCTION EQUIPMENT 374467 VOLVO A40G 353347 - DIESEL ENGINE



Sample No: VCP394844

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	374467

SAMPLE INFORMATION VCP394844 Sample Number Sample Date 11 Aug 2023 Machine Hours 1014 Oil Hours 1000 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.9** Oxidation (PA) % 73 CONTAMINATION

Soot %	%	0.3	 	
Nitration (PA)	%	93	 	
Sulfation (PA)	%	73	 	
Glycol	%	NEG	 	
Fuel	%	0.9	 	
Silicon	ppm	24	 	
Sodium	ppm	6	 	
Potassium	ppm	4	 	

WEAR METAL

WLAK M	IE I ALS			
Iron	ppm	34	 	
Copper	ppm	136	 	
Lead	ppm	4	 	
Tin	ppm	4	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	87	 	
Nickel	ppm	3	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	

VOLVO

ADDITIN	VES			
Calcium	ppm	2223	 	
Magnesium	ppm	50	 	
Zinc	ppm	1143	 	
Phosphorus	ppm	991	 	
Barium	ppm	 <1	 	
Boron	ppm	11	 	



Strongco Equipment

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

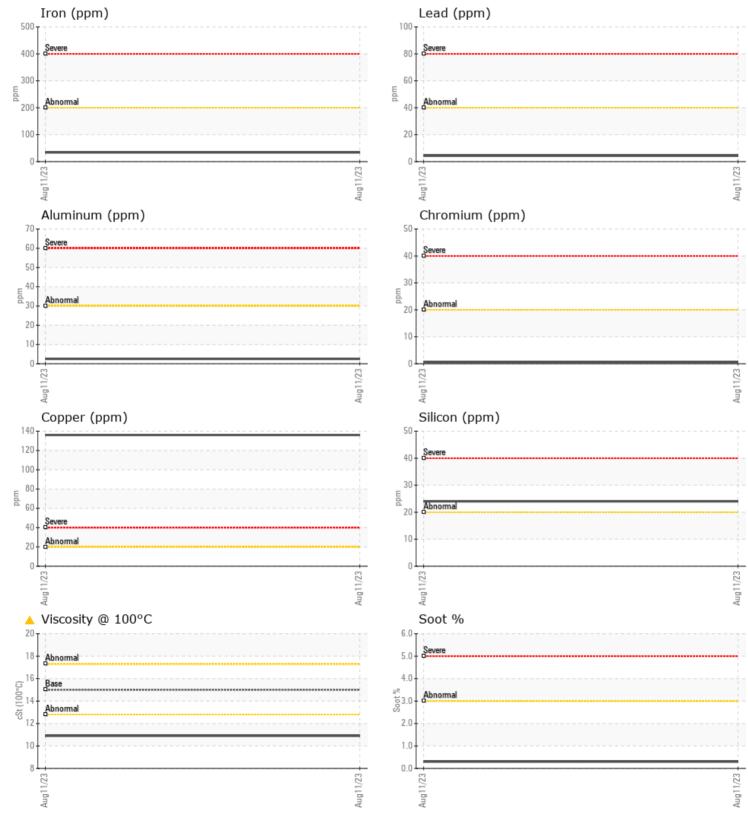
Depot:CASKITUnique No:5629740Signed:Kevin MarsonReport Date:21 Aug 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: Nick Sanders - CASKIT