CONSTRUCTION EQUIPMENT W07013364-1 AVANT 423 111861 - HYDRAULIC SYSTEM

Sample No:	VCP407975
Oil Type:	AW HYDRAULIC OIL ISO 46
Job No:	W07013364-1

SAMPLE INFORMATION

Sample Number

VOLV

1					
Sample Date	29 Aug 2023				
Machine Hours	121				
Oil Hours	121				
Oil Changed	Changed				
Sample Status	ABNORMAL				
OIL CONDITION					
Visc @ 40°C cSt	42.8				
Acid Number (AN) mg KOH/g	0.37				
CONTAMINATION					
Particles >4µm	65372				
	A				

VCP407975

Particles >6µm		<u> </u>	 	
Particles >14µm		■14	 	
ISO 4406:1999 (c)		23/19/11	 	
Silicon	ppm	8	 	
Sodium	ppm	0	 	
Potassium	ppm	■ <1	 	

WEAR METALS

Iron	ppm	20	 	
Copper	ppm	2	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	□<1	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

	VE2			
Calcium	ppm	78	 	
Magnesium	ppm	2	 	
Zinc	ppm	516	 	
Phosphorus	ppm	390	 	
Barium	ppm	0	 	
Boron	ppm	0	 	



McClung-Logan Virginia LLC- RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: F: (804)266-1611

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.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

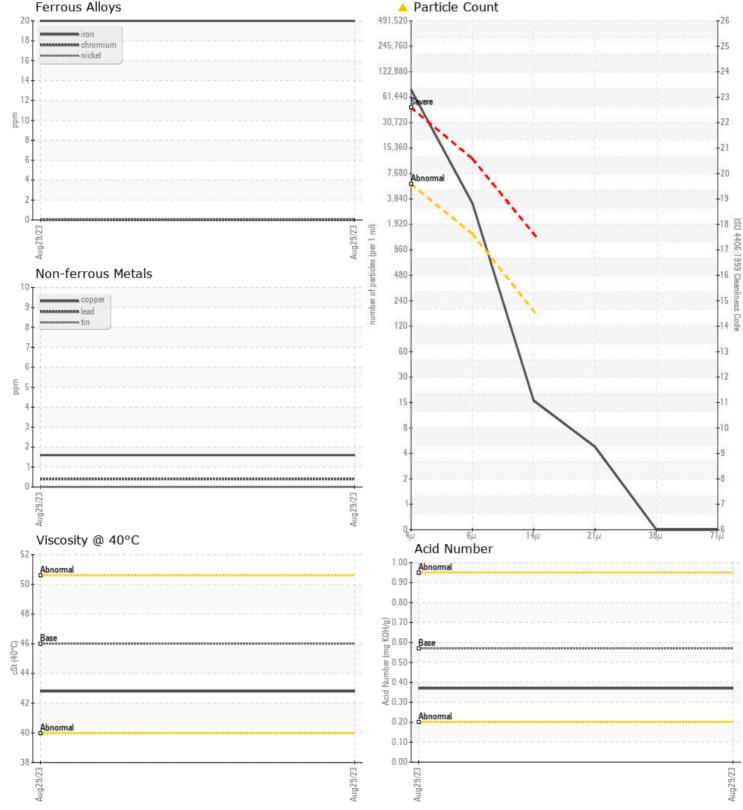
Depot:	VOLVO8882
Unique No:	10631007
Signed:	Don Baldridge
Report Date:	07 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8882 [WUSCAR] 05940395 (Generated: 09/07/2023 10:27:48) Rev: 1

Contact/Location: KYLE RATLIFFE - VOLVO8882