CONSTRUCTION EQUIPMENT 222030 BERGMAN (8155 5718 - HYDRAULIC SYSTEM



Sample No:VCP355015Oil Type:VOLVO SUPER HYDRAULIC OIL 46

VOLVO

 Job No:
 222030

### SAMPLE INFORMATION

Sample Number		VCP355015					
Sample Date		02 Jun 2023					
Machine Hours		1178					
Oil Hours		1176					
Oil Changed		N/A					
Sample Status		ABNORMAL					
OIL CONDITION							
Visc @ 40°C	cSt	<b>45.1</b>					
Acid Number (AN)	mg KOH/g	0.66					

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CONTAMINATION % NEG Water Particles >4µm 20751 Particles >6µm 2283 Particles >14µm 73 ISO 4406:1999 (c) 22/18/13 Silicon ppm 2 Sodium ppm ■<1 **||** <1 Potassium ppm

#### 🎾 WEAR METALS

Iron	ppm	3	 	
Copper	ppm		 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	8	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

VOLVO

Calcium	ppm	283						
Magnesium	ppm	81						
Zinc	ppm	562						
Phosphorus	ppm	<b>443</b>						
Barium	ppm	0						
Boron	ppm	0						



#### ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD ORLANDO, FL US 32824 Contact: BRAD BYRO bradley.byro@altg.com T: (407)850-9614 F: (407)659-8720

#### Diagnosis

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:
 VOLVO0096

 Unique No:
 10509114

 Signed:
 Don Baldridge

 Report Date:
 13 Jun 2023



Contact/Location: BRAD BYRO - VOLVO0096

## **CONSTRUCTION EQUIPMENT**



# GRAPHS

VOLVO

#### Ferrous Alloys A Particle Count 10 <del>-</del> 491.520--26 iron 9 •• chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß mdo E, 30,720 -22 15,360 -21 2 7,680 20 2 3,840 -19 0 1,920 18 🛛 Jun2/23 nber of particles (per 1 ml) Jun2/23 4406:1999 Cleanlines: 17 960 Non-ferrous Metals 480 16 10 15 copper 240 9 m lead 14 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 4 2 8 Ω Jun2/23 Jun2/23 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.70 Abnormal 50 0.60 48 (B/HOX BW) Base 46 cSt (40°C) 44 Number 0.30 42 Pcid 1 40 Abnormal 0.10 38 36 0.00-Jun2/23 -Jun2/23 Jun2/23