**CONSTRUCTION EQUIPMENT** W02007468 VOLVO A45G 352364 - HYDRAULIC SYSTEM

Sample No: VCP418756 **Oil Type:** MOBIL HYDRAULIC OIL AW 46 Job No: W02007468

## **SAMPLE INFORMATION**

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Molybdenum

VOLVO

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Sample Number		VCP418756			
Sample Date		28 Aug 2023			
Machine Hours		4016			
Oil Hours		4000			
Oil Changed		Changed			
Sample Status		NORMAL			
OIL CONDIT	TION				
Visc @ 40°C	cSt	42.2			
Acid Number (AN)	mg KOH/g	0.45			
CONTAMINATION					
Particles Mum	-	460			

Particles >4µm	-	460	 	
Particles >6µm		<b>131</b>	 	
Particles >14µm		13	 	
ISO 4406:1999 (c)		16/14/11	 	
Silicon	ppm	7	 	
Sodium	ppm	0	 	
Potassium	ppm	∎1	 	

Particles >4µm	-	460			
Particles >6µm		<b>131</b>			
Particles >14µm		<b>1</b> 3			
ISO 4406:1999 (c)		16/14/11			
Silicon	ppm	7			
Sodium	ppm	0			
Potassium	ppm	∎1			
WEAR METALS					
Iron	ppm	9			
Copper	ppm	<b>4</b>			
Lead	ppm	3			
Tin	ppm	<b>□</b> <1			



#### **MCCLUNG-LOGAN EQUIPMENT CO INC**

8450 QUARRY ROAD MANASSAS, VA US 20110 Contact: MIKE MAYHUGH MMAYHUGH@MCCLUNG-LOGAN.COM T: (703)393-7344 F: (703)393-7844

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:	VOLVO0002
Unique No:	10631302
Signed:	Wes Davis
Report Date:	05 Sep 2023

2

0

**||** < 1

0

0

0

292

476

370

2 🔲

6 🔲

3

0

0

ppm

**ADDITIVES** 

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 491.520 10 T -26 iron 9 245,760 . chromiun -25 nickel 8 122,880 -24 61,440 -23 ß mdo E, 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 Ω 1,920 18 🛛 nber of particles (per 1 ml) Aug28/23 Aug28/23 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 30 12 mdo 5 15 11 10 8 ema 2 8 0 Aug28/23 Aug28/23 21µ 14µ 38, Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 cSt (40°C) 41 0.25 Numper 0.20 42 U PCIQ 0.15 40 Abnormal 0.10 38 0.05 0.00 36 Aug28/23 Aug28/23 Aug28/23 Aug28/23

Report Id: VOLVO0002 [WUSCAR] 05940690 (Generated: 09/05/2023 15:30:56) Rev: 1

Contact/Location: MIKE MAYHUGH - VOLVO0002