

CONSTRUCTION EQUIPMENT VOLVO A40G 353385 - HYDRAULIC SYSTEM



Sample No: VCP436590

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
-----------	------------------------------

Job No:

SAMPLE IN	FORMATION				
Sample Number		VCP436590			
Sample Date		08 Dec 2023			
Machine Hours		1012			
Oil Hours		0			
Oil Changed		Not Changd			
Sample Status		ATTENTION			
OIL CONDI	TION				
Visc @ 40°C	cSt	43.0			
Acid Number (AN)	mg KOH/g	0.41			
Water	%	NEG			
Particles >4µm		5647			
Particles >6µm		1649			
Particles >14µm		<u> </u>			
ISO 4406:1999 (c)		20/18/15			
Silicon	ppm	9			
Sodium	ppm	0			
Potassium	ppm	□ <1			

🎾 WEAR METALS

	1763			
Iron	ppm	4	 	
Copper	ppm	1	 	
Lead	ppm	1	 	
Tin	ppm	0	 	
Aluminum	ppm	1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

VOLVO

ADDITIVES						
Calcium	ppm	60				
Magnesium	ppm					
Zinc	ppm	429				
Phosphorus	ppm	300				
Barium	ppm	0				
Boron	ppm	0				



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a light 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:
 VOLV00090

 Unique No:
 10789340

 Signed:
 Wes Davis

 Report Date:
 15 Dec 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 491.520-10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 6 ppm 5 30,720 -22 15,360 -21 3 7,680 20 -19 3,840 0 1,920 -18 🛛 Dec8/23 Dec8/23 nber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 9 m lead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 11 3 10 8 emal 2 0 Dec8/23 Dec8/23 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 0.45 Abnormal 50 0.40 48 0.35 (B/H0.30 Base 46 cSt (40°C) 44 Ê 0.25 Number Number 42 - Pg 0.15 40 0.10 38-Abnormal 0.05 36 0.00-Dec8/23 -Dec8/23 Dec8/23 Dec8/23

Report Id: VOLVO0090 [WUSCAR] 06034111 (Generated: 12/15/2023 00:20:47) Rev: 1

Contact/Location: TODD LARK - VOLVO0090