

CONSTRUCTION EQUIPMENT VOLVO A40G 352785 - HYDRAULIC SYSTEM



Sample No: VCP441094

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
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ppm

ppm

3

0

Job No:

SAMPLE IN	FORMATION					
Sample Number		VCP441094				
Sample Date		19 Jan 2024				
Machine Hours		4101				
Oil Hours		0				
Oil Changed		Changed				
Sample Status		ATTENTION				
OIL CONDIT	TION					
Visc @ 40°C	cSt	45.1				
Acid Number (AN)	mg KOH/g	0.42				
CONTAMINATION						
Water	%	NEG				
Particles >4µm		70381				
Particles >6µm		A 7338				
Particles >14µm		259				
ISO 4406:1999 (c)		23/20/15				
Silicon	ppm	21				



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

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 moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Sodium

Potassium

Iron	ppm	8	 	
Copper	ppm	2	 	
Lead	ppm	3	 	
Tin	ppm		 	
Aluminum	ppm	11	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	<1	 	

VOLVO

Calcium	ppm	263			
Magnesium	ppm	0			
Zinc	ppm	435			
Phosphorus	ppm	373			
Barium	ppm	0			
Boron	ppm	0			

 Depot:
 VOLVO0090

 Unique No:
 10847081

 Signed:
 Don Baldridge

 Report Date:
 26 Jan 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 491.520-10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß mdo E, 30,720 -22 15,360 -21 7.680 20 3,840 -19 ----ſ 1,920 -18 🛛 Jan 19/24 nber of particles (per 1 ml) Jan 19/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q nn lead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 -11 ·10 8 ********* emal 2 8 Ω Jan 19/24 Jan 19/24 21µ 38µ 14μ Viscosity @ 40°C Acid Number 52 0.45 Abnormal 50 0.40 48 0.35 (B/H0.30 Base 46 (J°05t (40°C) Ê 0.25 Number 0.20 42 - Pg 0.15 40. 0.10 Abnormal 38 0.05 36 0.00-Jan 19/24 -Jan 19/24 9/24 Jan 19/24 Jan1

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Contact/Location: TODD LARK - VOLVO0090