CONSTRUCTION EQUIPMENT X47606 VOLVO SD115B 236990 - HYDRAULIC SYSTEM

Sample No:VCP414627Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:X47606

VOINO

Particles >6µm

Silicon

Sodium

Potassium

Particles >14µm

ISO 4406:1999 (c)

ppm

ppm

ppm

SAMPLE IN	FORMATION				
Sample Number	-	VCP414627	VCP408393		
Sample Date		15 Sep 2023	09 Jun 2023		
Machine Hours		1634	1267		
Oil Hours		0	0		
Oil Changed		N/A	N/A		
Sample Status		ABNORMAL	ABNORMAL		
OIL CONDI	TION				
Visc @ 40°C	cSt	43.8	43.9		
Acid Number (AN)	mg KOH/g	■0.11	0.11		
CONTAMINATION					
Particles >4µm		<u> </u>			

**12638** 

**3202** 

3

■ <1

2

22/21/19

SCOTT EQUIPMENT COMPANY LLC - Lake Charles

PO BOX 16955 LAKE CHARLES, LA US 70616 Contact: TINA LEDOUX tledoux@scottcompanies.com T: (337)433-9811 F: (318)433-6623

## Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high 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.

	66	<b>—</b> —		
WEAR I	METALS			
Iron	ppm	25	23	 
Copper	ppm	2	4	 
Lead	ppm	5	5	 
Tin	ppm	0	0	 
Aluminum	ppm	<b>1</b>	< 1	 
Chromium	ppm		0	 
Molybdenum	ppm	□<1	2	 
Nickel	ppm	0	0	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	□<1	<b></b> < 1	 
Vanadium	ppm	0	<1	 

2

2

1

OLVO	
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4

ADDITI	IVES			
Calcium	ppm	<b>106</b>	119	 
Magnesium	ppm	2	<1	 
Zinc	ppm	84	82	 
Phosphorus	ppm	396	457	 
Barium	ppm	0	0	 
Boron	ppm	0	0	 

 Depot:
 VOLVO6244

 Unique No:
 10658784

 Signed:
 Don Baldridge

 Report Date:
 22 Sep 2023

Report Id: VOLVO6244 [WUSCAR] 05957571 (Generated: 09/25/2023 08:35:56) Rev: 1

Contact/Location: TINA LEDOUX - VOLVO6244

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

## Ferrous Alloys Particle Count 491.520-26--26 24 iron chromium 245,760 -25 22 nickel 20 122,880 -24 18 16 61,440 -23 ud 12 30,720 -22 10 15,360 -21 8 6 7,680 -20 Abnorma 3,840 -19 Ω 1,920 -18 🛛 Jun9/23 Sep15/23 ber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 480 -16 10 15 copper 240 9 lead 14 Code tin 120 8 -13 60. 6 30 -12 mdo Ę 15 11 3 8 10 2 4 .9 2 -8 0 Jun9/23 Sep15/23 21µ $14\mu$ 38µ Viscosity @ 40°C Acid Number 52 0.12 Abnormal 50 0.11 0.10 48 0.09 (B/HOX Bu) Bas 46 cSt (40°C) 44 0.06 Number 42 ·응 0.04 40 0.03 0.02 38 Abnormal 0.01 0.00 36 Jun9/23 Sep15/23 Jun9/23 Sep15/23

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