CONSTRUCTION EQUIPMENT

SW-29950 SEG 1 RANGO VOLVO R100E 121011 - HYDRAULICSYS

 Sample No:
 VCP372321

 Oil Type:
 {unknown}

 Job No:
 SW-29950 SEG 1 RANGO

ppm

**ADDITIVES** 

WEAR METALS

0

2

8

■<1

■ <1

<1

<1

2

2

<1

<1

<1

0

2045

10

782

636

5

2

VOLVO

Sodium

Iron

Lead

Tin

Copper

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Molybdenum

Potassium

SAMPLE IN	FORMATION				
Sample Number		VCP372321			
Sample Date		16 Feb 2024			
Machine Hours		7877			
Oil Hours		0			
Oil Changed		Not Changd			
Sample Status		ABNORMAL			
Sumple Status					
VOLVO	PIAN				
OIL CONDI	I IUN				
Visc @ 40°C	cSt	73.7			
Acid Number (AN)	mg KOH/g	0.92			
CONTAMIN	ΙΔΤΙΩΝ				
			<u> </u>	-	-
Water	%	NEG			
Particles >4µm		▲ 12398			
Particles > 6µm		729			
Particles > 14µm		<b>4</b> 3			
ISO 4406:1999 (c) Silicon	10 10 100	21/17/13			
SIICOII	ppm	<u> </u>			

## ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TJ LARK tlark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.The copper level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Report Id: VOLVO8770 [WUSCAR] 06098301 (Generated: 02/26/2024 12:28:35) Rev: 1

Contact/Location: TJ LARK - VOLVO8770

VOLV08770

Don Baldridge

26 Feb 2024

10896531

Depot:

Signed:

Unique No:

**Report Date:** 

## **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 ß mdo E, 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 . Ω 1,920 -18 🛛 Feb16/24 mber of particles (per 1 ml) Feb16/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 90 15 copper 240 80 🐜 lead -14 6 • tin 120 70 -13 60 60 50 30 12 ppm 40 15 -11 30 8 10 20 4 10 2 8 0. ................... Feb 16/24 Feb16/24 0, 21µ $14\mu$ 38µ Viscosity @ 40°C Acid Number 75 1.0 70 0.9 0.8 65 (B/H0.7 0.6 Mg KOH/d) 60 cSt (40°C) 55 un 0.5 Number 0.4 Abnormal 50 Pciq 0.3 45 0.2 Abnormal 40. 0.1 35 0.0 Feb16/24 -Feb16/24 6/24 Feb 16/24 Feb 1

Report Id: VOLVO8770 [WUSCAR] 06098301 (Generated: 02/26/2024 12:28:38) Rev: 1

Contact/Location: TJ LARK - VOLVO8770