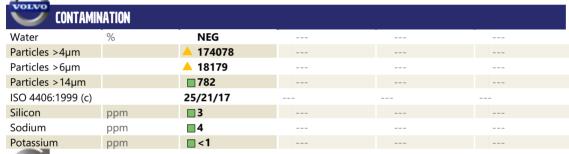
CONSTRUCTION EQUIPMENT F03053 REPUBLIC SVCS VOLVO EC250E 310073 - HYDRAULIC SVS

Sample No:VCP443101Oil Type:AW HYDRAULIC OIL ISO 32Job No:F03053 REPUBLIC SVCS

VOLVO

SAMPLE INFORMATION VCP443101 Sample Number Sample Date 28 Feb 2024 Machine Hours 14175 Oil Hours 0 Oil Changed N/A SEVERE Sample Status **OIL CONDITION** Visc @ 40°C cSt 33.6 Acid Number (AN) mg KOH/g 0.54



WEAR METALS

WEAK ME	LIALS			
Iron	ppm	4 56	 	
Copper	ppm	25	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	1	 	
Chromium	ppm	A 96	 	
Molybdenum	ppm	 <1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

VOLVO

Calcium	ppm	71							
Magnesium	ppm	4							
Zinc	ppm	452							
Phosphorus	ppm	369							
Barium	ppm	0							
Boron	ppm	1							



CHADWICK-BAROSS INC

31 JAMES P. MURPHY INDUSTRIAL HWY WEST WARWICK, RI US 02893 Contact: NORMAN VINCENT norman.vincent@chadwick-baross.com T: (401)328-6967 F:

Diagnosis

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.The iron and chrome levels are severe. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.

Depot:CHAWESRIUnique No:10909491Signed:Don BaldridgeReport Date:05 Mar 2024

Contact/Location: NORMAN VINCENT - CHAWESRI

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 491,520 100 -26 iron 90 •• chromium 245,760 -25 •• nickel 80 122,880 -24 70 61,440 -23 60 ppm 50 30,720 -22 40 15,360 -21 30 7.680 -20 20 3,840 -19 10 0 1,920 -18 🛛 Feb28/24 umber of particles (per 1 ml) Feb28/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 26 15 24 copper 240 lead 22 14 00 tin 120 20 18 -13 60 16 12 30 ud 12 15 11 10 8 10 8 6 4 .9 2 2 8 Ω Feb28/24 Feb28/24 0, 21µ 38µ 14μ Viscosity @ 40°C Acid Number 39 1.00 T Abnormal 38 Abnormal 0.90 37 0.80 36 (B/HO) 0.60 0.50 Wind KOH/B) 0.50 0.40 35 () 34 () 33 र्दे ₃₂ Base 31 Acid 1 0.30 30 Abnorma 0.20 29 Abnormal 0.10 28 27 0.00-Feb28/24 Feb28/24 Feb28/24 Feb28/24

Report Id: CHAWESRI [WUSCAR] 06105994 (Generated: 03/05/2024 11:55:50) Rev: 1

Contact/Location: NORMAN VINCENT - CHAWESRI