## CONSTRUCTION EQUIPMENT 534887 MOSAIC VOLVO EC480EL 314392 - HYDRAULIC SYSTEM

 Sample No:
 VCP444021

 Oil Type:
 AW HYDRAULIC OIL ISO 46

 Job No:
 534887 MOSAIC

### SAMPLE INFORMATION

VOLVO

Sample Number		VCP444021			
Sample Date		13 Apr 2024			
Machine Hours		5903			
Oil Hours		0			
Oil Changed		N/A			
Sample Status		ABNORMAL			
OIL CONDIT	TION				
Visc @ 40°C	cSt	<b>41.6</b>			
Acid Number (AN)	mg KOH/g	0.52			
CONTAMINATION					

Water	%	NEG	 	
Particles >4µm		<u> </u>	 	
Particles >6µm		🔺 121935	 	
Particles >14µm		2214	 	
ISO 4406:1999 (c)		25/24/18	 	
Silicon	ppm	<b>1</b> 8	 	
Sodium	ppm	5	 	
Potassium	ppm	2	 	

WEAR METALS

	161763			
Iron	ppm	<b>A</b> 37	 	
Copper	ppm	51	 	
Lead	ppm	6	 	
Tin	ppm	2	 	
Aluminum	ppm	6	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	0	 	

VOLVO

ADDITIVES					
Calcium	ppm	1295			
Magnesium	ppm	7			
Zinc	ppm	719			
Phosphorus	ppm	577			
Barium	ppm	0			
Boron	ppm	0			



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: CHRIS GOULET cgoulet@altg.com T: (813)431-6381 F: (813)630-2233

#### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.The iron 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. The AN level is acceptable for this fluid.

 Depot:
 VOLVO0093

 Unique No:
 10989704

 Signed:
 Don Baldridge

 Report Date:
 23 Apr 2024

# **CONSTRUCTION EQUIPMENT**



VOLVO

#### GRAPHS Ferrous Alloys Particle Count 40-491,520 -26 35 245,760 🖛 chromium -25 •• nickel 30 122,880 -24 25 61,440 -23 bnorma ۲ д 20 30,720 -22 15 15,360 -21 10 7.680 -20 5 3,840 -19 Ω 1,920 18 8 nber of particles (per 1 ml) Apr13/24 Apr13/24 17 960 Non-ferrous Metals 480 16 55 15 240 conner 50 lead 14 00 45 120 40 -13 60. 35 30 -12 30 ppm 25 15 -11 20 8 10 15 10 4 9 5 2 -8 Ω Apr13/24 Apr13/24 0, 21µ 38µ $14\mu$ Viscosity @ 40°C Acid Number 52 1.00-Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO) BW 0.60 48 47 cSt (40°C) 46 un 0.50 Jungung 0.40 45 44 Acid 1 0.30 43 Abnorma 42 0.20 41 Abnormal 0.10 40 0.00-39 Apr13/24 Apr13/24 Apr13/24 Apr13/24

Report Id: VOLVO0093 [WUSCAR] 06154281 (Generated: 04/23/2024 13:18:39) Rev: 1

Contact/Location: CHRIS GOULET - VOLVO0093

4406:1999 Cleanlines