## **CONSTRUCTION EQUIPMENT** SPM593070

DYNAPAC MF2500 ANG004351 - HYDRAULIC SYSTE

Sample No:	VCP427208
Oil Type:	AW HYDRAULIC OIL ISO 46
Job No:	SPM593070

## SAMPLE INFORMATION

VOLVO

Sample Number	VCP427208					
Sample Date	07 Aug 2023					
Machine Hours	517					
Oil Hours	0					
Oil Changed	Not Changd					
Sample Status	ATTENTION					
OIL CONDITION						
Visc @ 40°C cSt	<b>60.97</b>					
Acid Number (AN) mg	KOH/g <b>■0.41</b>					
CONTAMINATIO	N					
Particles >4µm	<u> </u>					
Particles >6µm	<b>1127</b>					
Particles >14µm	<b>7</b> 0					
ISO 4406:1999 (c)	20/17/13					
Silicon ppr	m <b>3</b>					

0

■<1



### ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077 F: (813)630-2233

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

# WEAR METALS

ppm

ppm

Sodium

Potassium

Iron	ppm	5	 	
Copper	ppm	2	 	
Lead	ppm	<b>  </b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	□<1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>□</b> <1	 	
Vanadium	ppm	0	 	

	IVE2			
Calcium	ppm	33	 	
Magnesium	ppm	<b>15</b>	 	
Zinc	ppm	347	 	
Phosphorus	ppm	267	 	
Barium	ppm	0	 	
Boron	ppm	0	 	

Depot: VOLVO0093 Unique No: 10604738 Signed: Don Baldridge Report Date: 18 Aug 2023

# **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 6 ppm E, 30,720 -22 15,360 -21 2 7,680 20 orma 3,840 -19 0 1,920 -18 🛛 Aug7/23 Aug7/23 nber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 • tin 120 8 -13 60 ß 12 30 mdo Ę 15 11 3 10 8 4 2 0-Aug7/23 Aug7 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 62 1.00 T Abnormal 60 0.90 58 0.80 56 (B/HO) BW) 0.60 54 ()-52 ()-0<del>5</del> 50 50 48 Abnormal l) agung Nump 0.40 Base Acid 1 46 44 Abnormal 0.20 42 Abnormal 0.10 40 38 0.00 Aug7/23. Aug7/23 Aug7/23 Aug7/23

Report Id: VOLVO0093 [WUSCAR] 05924791 (Generated: 08/18/2023 08:46:06) Rev: 1

Contact/Location: KENNY HANEY - VOLVO0093