Sample No:VCP433190Oil Type:AW HYDRAULIC OIL ISO 46Job No:SWA395633 THREE LAKE

VOLVO

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	-	VCP433190	 	
Sample Date		23 Oct 2023	 	
Machine Hours		936	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	<b>41.0</b>	 	
Acid Number (AN)		0.43	 	
CONTAMIN				
	ATION		 <u>.</u>	
Particles >4µm		<u> </u>	 	
Particles >6µm		<u> </u>	 	
Particles >14µm		<b>A</b> 359	 	
ISO 4406:1999 (c)		21/19/16	 	
Silicon	ppm	3	 	
Sodium	ppm	0	 	
Potassium	ppm	0	 	

WEAR METALS								
Iron	ppm	2						
Copper	ppm	<b>11</b>						
Lead	ppm	0						
Tin	ppm	0						
Aluminum	ppm	□<1						
Chromium	ppm							
Molybdenum	ppm	0						
Nickel	ppm	□<1						
Titanium	ppm	0						
Silver	ppm	0						
Manganese	ppm	□<1						
Vanadium	ppm	0						

**ADDITIVES** Calcium ppm 64 Magnesium **4** ppm Zinc 526 ppm Phosphorus ppm 403 Barium 0 🔲 ppm Boron ppm 0 🔲

## ALTA EQUIPMENT COMPANY

5210 REESE ROAD DAVIE, FL US 33314 Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

## Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

 Depot:
 VOLV00095

 Unique No:
 10712939

 Signed:
 Wes Davis

 Report Date:
 27 Oct 2023

# **CONSTRUCTION EQUIPMENT**



VOLVO

### GRAPHS 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 🛛 nber of particles (per 1 ml) 0ct23/23 0ct23/23 960 17 Non-ferrous Metals 16 480 11 15 copper 240 10 🖛 lead 14 9 120 8 -13 60 12 30 bpm Ę 15 11 10 8 4 2 8 Ω 0ct23/23 0ct23/23 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 1.00 T Abnormal Abnormal 0.90 50 0.80 48 (B/HO) 0.60 0.50 Wind KOH/B) 0.50 0.40 Ba (10°05) tS2 44 Acid 1 42 Abnorma 0.20 Abnormal 40. 0.10 38 0.00-0ct23/23 0ct23/23 0ct23/23

Report Id: VOLVO0095 [WUSCAR] 05990277 (Generated: 10/27/2023 09:35:53) Rev: 1

Contact/Location: N. FACEY - VOLVO0095

0ct23/23

4406:1999 Cleanlines