### CONSTRUCTION EQUIPMENT 9483 WASTE MGMT VOLVO L70G 614434 - HYDRAULIC SYSTEM

Sample No:VCP413679Oil Type:AW HYDRAULIC OIL ISO 46Job No:9483 WASTE MGMT

VOLVO

SAMPLE I	NFORMATION			
Sample Number	-	VCP413679	 	
Sample Date		16 Aug 2023	 	
Machine Hours		22133	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ATTENTION	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	<b>43.3</b>	 	
Acid Number (AN)	mg KOH/g	0.45	 	

CONTAM	IINATION			
Particles >4µm		<b>6</b> 5137	 	
Particles >6µm		<b>1015</b>	 	
Particles >14µm		66	 	
ISO 4406:1999 (c)	)	20/17/13	 	
Silicon	ppm	<b>  </b> <1	 	
Sodium	ppm	3	 	
Potassium	ppm	0	 	

WEAR N	AFTAI S			
Iron	ppm	2	 	
Copper	ppm	<1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

**ADDITIVES** Calcium ppm 68 🔲 Magnesium 12 ppm Zinc 490 ppm Phosphorus 391 ppm Barium 0 🔲 ppm Boron ppm 0



MCCLUNG-LOGAN EQUIPMENT CO INC MAIN 4601 WASHINGTON BOULEVARD

BALTIMORE, MD US 21227 Contact: MARK CIULLA mciulla@mcclung-logan.com T: (410)242-6500 F: (410)242-7835

#### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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 light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLV00150

 Unique No:
 10616753

 Signed:
 Wes Davis

 Report Date:
 23 Aug 2023

Contact/Location: MARK CIULLA - VOLVO0150

## **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 bnorma 3,840 -19 0 1,920 -18 🛛 nber of particles (per 1 ml) Aug16/23 6/23 4406:1999 Cleanlines: Aug1 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q Iead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 -11 2 10 8 4 2 8 Ω Aug16/23 Aug16/23 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 В (0°046 (2°04) tSo 44 Acid 1 42 Abnormal 0.20 Abnorma 40. 0.10 38 0.00-Aug16/23 Aug16/23 Aug16/23 6/23 Aug1

Report Id: VOLVO0150 [WUSCAR] 05931482 (Generated: 08/23/2023 15:44:59) Rev: 1

Contact/Location: MARK CIULLA - VOLVO0150