# CONSTRUCTION EQUIPMENT

Sample No: VCP454199

VOLVO

Oil Type: VOLVO SUPER HYDRAULIC OIL 46 Job No: SW-35458-2 MAVERICK

Job No:

### SAMPLE INFORMATION VCP454199 Sample Number Sample Date 10 Jun 2024 Machine Hours 3913 Oil Hours 3913 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 41.8 Acid Number (AN) mg KOH/g 0.34 TAMINATION

Water	%	NEG	 	
Particles >4µm		<b>418</b>	 	
Particles >6µm		129	 	
Particles >14µm		<b>1</b> 0	 	
ISO 4406:1999 (c)	)	16/14/10	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	

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WEAR N	METALS			
Iron	ppm	5	 	
Copper	ppm	3	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	2	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

VOLVO

🔰 ADDITI	VES			
Calcium	ppm	105	 	
Magnesium	ppm	2	 	
Zinc	ppm	<b>441</b>	 	
Phosphorus	ppm	311	 	
Barium	ppm	□ <1	 	
Boron	ppm	0	 	



ARNOLD MACHINERY COMPANY

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## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLVO8770

 Unique No:
 11086254

 Signed:
 Wes Davis

 Report Date:
 19 Jun 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491.520 -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 Ω 1,920 18 🛛 nber of particles (per 1 ml) Jun10/24 Jun10/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q nn lead 14 tin 120 8 60 -13 ß 30 12 mdo Ę 15 11 10 1 8 4 9 2 8 ſ Jun10/24 Jun 10/24 21µ $14\mu$ 38, Viscosity @ 40°C Acid Number 52 0.40 Abnormal 50 48 0.30 0.30 Jumper (mg KOH/g) 0.20 Base 46 cSt (40°C) 44 42 Acid 40 0.10 Abnormal 38. 36 0.00 Jun10/24 Jun10/24 10/24 Jun 10/24 In

Report Id: VOLVO8770 [WUSCAR] 06213390 (Generated: 06/21/2024 19:11:02) Rev: 1

Contact/Location: TONY PAYAN - VOLVO8770