## CONSTRUCTION EQUIPMENT SW-33588-2 WASATCH VOLVO L 180H 5320 - HYDRAULIC SYSTEM

Sample No:VCP454286Oil Type:AW HYDRAULIC OIL ISO 46Job No:SW-33588-2 WASATCH

SAMPLE IN	FORMATION					
Sample Number		VCP454286				
Sample Date		03 Jun 2024				
Machine Hours		4853				
Oil Hours		0				
Oil Changed		Not Changd				
Sample Status		NORMAL				
OIL CONDITION						
Visc @ 40°C	cSt	<b>43.6</b>				
Acid Number (AN)	mg KOH/g	0.29				
	-					

CONTAMINATION NEG % Water 2012 Particles >4µm Particles >6µm 575 Particles >14µm 34 ISO 4406:1999 (c) 18/16/12 Silicon ppm 2 Sodium ppm 2 3 Potassium ppm

### 🎾 WEAR METALS

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

VOLVO

Calcium	ppm	144					
Magnesium	ppm	<b>11</b>					
Zinc	ppm	507					
Phosphorus	ppm	397					
Barium	ppm	□ <1					
Boron	ppm	■1					



#### ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TONY PAYAN tpayan@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

#### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO8770

 Unique No:
 11071992

 Signed:
 Angela Borella

 Report Date:
 12 Jun 2024

Contact/Location: TONY PAYAN - VOLVO8770

# **CONSTRUCTION EQUIPMENT**



🥜 GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491.520 -26 iron 9 n 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 🛛 ber of particles (per 1 ml) Jun3/24 4406:1999 Cleanlines 960 17 Non-ferrous Metals 480 16 10 15 copper 240 q m lead 14 120 8 -13 60 ß 30 12 mdo Ę 15 11 2 10 8 ema 2 8 Ω Jun3/24 Jun3/24 21µ 14µ 38, 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 Jagung 0.40 45 44 U 90.30 43 42 Abnormal 0.20 41 Abnormal 0.10 40 0.00-39 Jun3/24. Jun3/24 Jun3/24

Contact/Location: TONY PAYAN - VOLVO8770