CONSTRUCTION EQUIPMENT W02008186 VOLVO A30D 14025 - HYDRAULIC SYSTEM

 Sample No:
 ML0001592

 Oil Type:
 {unknown}

 Job No:
 W02008186

VOLVO

	NFORMATION				
			 	-	
Sample Number		ML0001592	 		
Sample Date		12 Apr 2024	 		
Machine Hours		21012	 		
Oil Hours		500	 		
Oil Changed		Changed	 		
Sample Status		NORMAL	 		
OIL CONDI	TION				
Visc @ 40°C	cSt	<b>49.1</b>	 		
Acid Number (AN)	mg KOH/g	0.72	 		
CONTAM					
CONTAMII	NATION				
Water	%	NEG	 		

Particles >4µm		31276	 	
Particles >6µm		<b>1084</b>	 	
Particles >14µm		<b>4</b> 3	 	
ISO 4406:1999 (c)		22/17/13	 	
Silicon	ppm	<b>1</b> 9	 	
Sodium	ppm	6	 	
Potassium	ppm	<b>□</b> <1	 	

## WEAR METALS

Iron	ppm	6	 	
Copper	ppm	<b>9</b>	 	
Lead	ppm	0	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	5	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	2	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

VOLVO

Calcium	ppm	2239				
Magnesium	ppm	24				
Zinc	ppm	925				
Phosphorus	ppm	822				
Barium	ppm	0				
Boron	ppm	73				



#### WILLIAM HAZEL

PO BOX 600 CHANTILLY, VA US 20153 Contact: SERVICE MANAGER jimmy\_elswick@wahazel.com T: (703)378-8300 F:

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 WILCHA

 Unique No:
 10980310

 Signed:
 Don Baldridge

 Report Date:
 18 Apr 2024

 Submitted
 By: DARRELL ANDES

# **CONSTRUCTION EQUIPMENT**



J 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 3,840 -19 ſ 1,920 18 🛛 Apr12/24 nber of particles (per 1 ml) Apr12/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 480 16 10 15 240 copper 9 lead 14 tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 ema 9 2 8 Ω Apr12/24 Apr12/24 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.80 Abnormal 50 0.70 0.60 48 (B/HO) 0.50 (0°0) tso 44 y Bu) 19 0.40 Numpun 0.30 Acid 42 0.20 40. Abnormal 0.10 38 0.00-Apr12/24 Apr12/24 Apr12/24 Apr12/24