CONSTRUCTION EQUIPMENT 19618 TGP CATERPILLAR 345BL AGSO2135 - HYDRAULIC SYSTE

 Sample No:
 VCP414160

 Oil Type:
 NOT GIVEN

 Job No:
 19618 TGP

VOLVO

#### SAMPLE INFORMATION VCP414160 Sample Number Sample Date 02 Oct 2023 Machine Hours 14659 Oil Hours 0 Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 42.8 Acid Number (AN) mg KOH/g 1.12

CONTAI	MINATION			
Particles >4µm		<b>A</b> 20997	 	
Particles >6µm		<u> </u>	 	
Particles >14µm		86	 	
ISO 4406:1999 (c	:)	22/18/14	 	
Silicon	ppm	<b>11</b>	 	
Sodium	ppm	2	 	
Potassium	ppm	3	 	

# WEAR METALS

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

## 

	IVES			
Calcium	ppm	2172	 	
Magnesium	ppm	103	 	
Zinc	ppm	1045	 	
Phosphorus	ppm	813	 	
Barium	ppm	0	 	
Boron	ppm	4	 	



### 117 - ASCENDUM MACHINERY INC - GREENVILLE

2002 N GREENE ST GREENVILLE, NC US 27834 Contact: BRANDON JENKINS BRANDON JENKINS@ASCENDUMMACHINERY.COM T: F: (704)494-8197

#### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 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:
 VOLV08769

 Unique No:
 10701971

 Signed:
 Wes Davis

 Report Date:
 23 Oct 2023

# **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 mda E, 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 0 1,920 -18 🛛 (per 1 ml) 0ct2/23 0ct2/23 4406:1999 Cleanlines: 960 17 nber of particles Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 11 3 10 8 4 2 8 ...... 0-0ct2/23 0ct2/23 0, 21µ 14µ 38, Viscosity @ 40°C Acid Number 52-1.2 51 Abnorma 1.1 50 1.0 49 0.9 48 (B/HO.8 0.7 0.7 47 (D=046 45 0.6 Number 44 ·응 0.4 43 0.3 42 0.2 41 Abnormal 40 0.1 0.0-39 0ct2/23 0ct2/23 0ct2/23 0ct2/23