



CONSTRUCTION EQUIPMENT

19618 TGP CATERPILLAR 345BL AGSO2135 - HYDRAULIC SYSTEM



Sample No: VCP414160

Oil Type: NOT GIVEN

Job No: 19618 TGP



SAMPLE INFORMATION

Sample Number	VCP414160	---	---	---
Sample Date	02 Oct 2023	---	---	---
Machine Hours	14659	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	■ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.12	---	---	---



CONTAMINATION

Particles >4µm		▲ 20997	---	---	---
Particles >6µm		▲ 2033	---	---	---
Particles >14µm		■ 86	---	---	---
ISO 4406:1999 (c)		22/18/14	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---

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.



WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

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

Depot: VOLVO8769
Unique No: 10701971
Signed: Wes Davis
Report Date: 23 Oct 2023

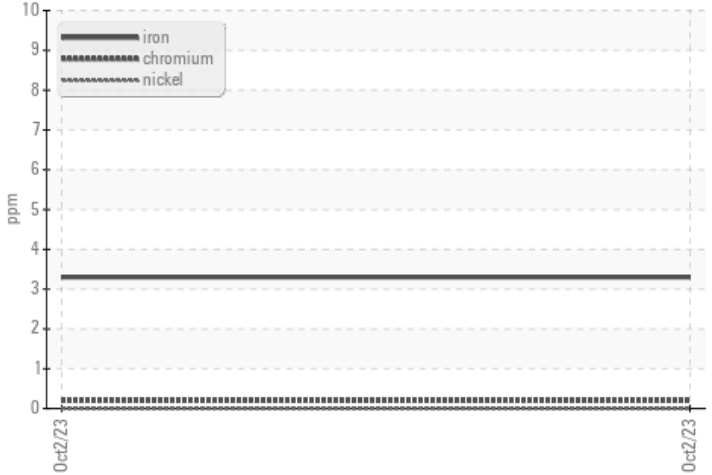


CONSTRUCTION EQUIPMENT

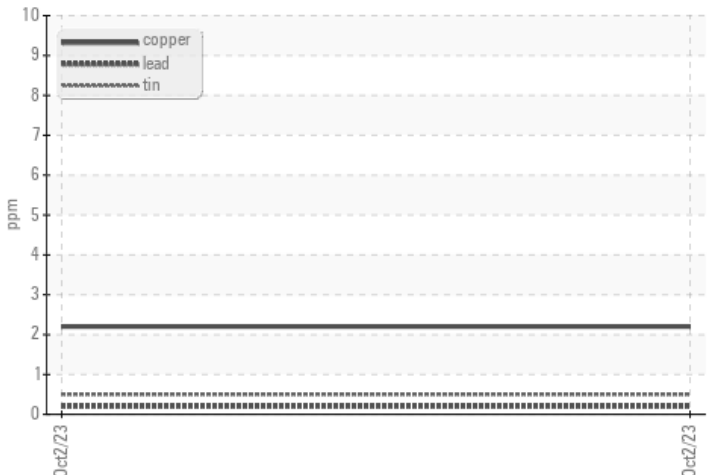


GRAPHS

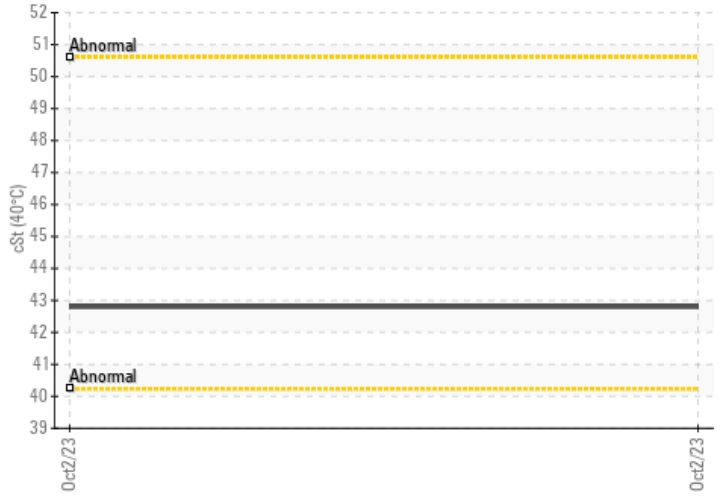
Ferrous Alloys



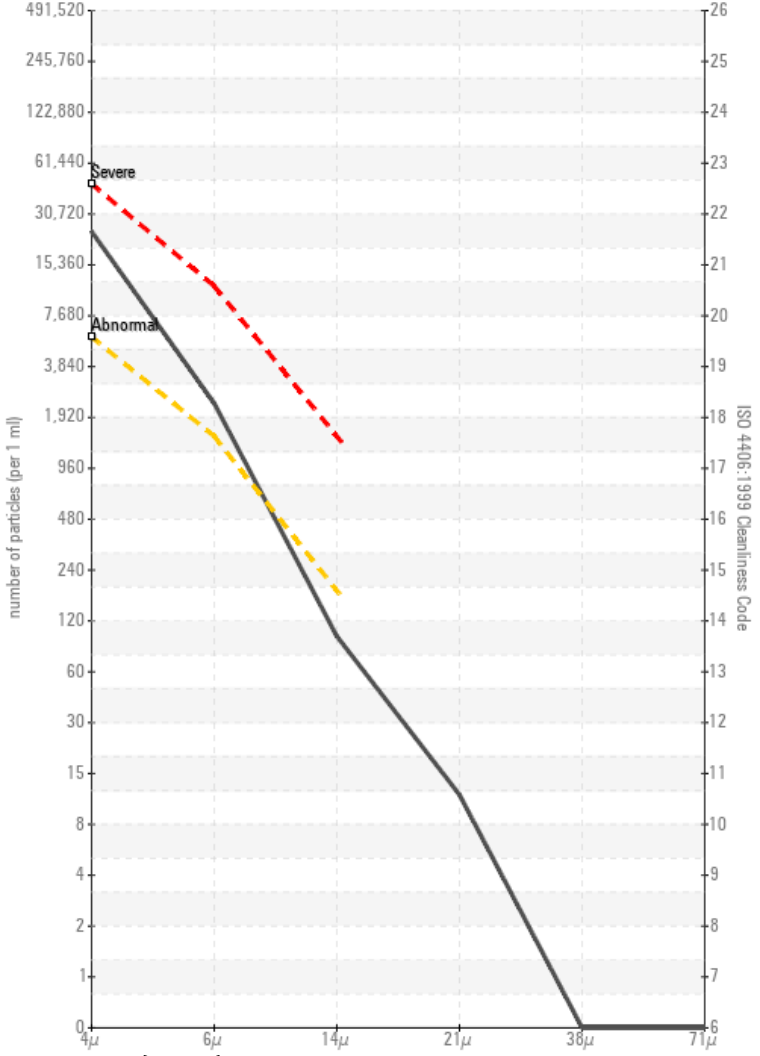
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

