CONSTRUCTION EQUIPMENT

19062 GS BLUEWATER CATERPILLAR 345C PJW00559 - HYDRAULIC SYSTEM

Sample No: VCP407563
Oil Type: NOT GIVEN
Job No: 19062 GS BLUEWATER

117 - ASCENDUM MACHINERY INC - GREENVILLE
2002 N GREENE ST
GREENVILLE, NC
US 27834
Contact: BRANDON JENKINS
BRANDON.JENKINS@ASCENDUMMACHINERY.COM
T:
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SAMPLE INFORMATION

Sample Number		**VCP407563**	---	---	---
Sample Date		**11 Jul 2023**	---	---	---
Machine Hours		**17529**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.9**	---	---	---
Acid Number (AN)	mg KOH/g	**0.19**	---	---	---

CONTAMINATION

Particles >4µm		▲ **10973**	---	---	---
Particles >6µm		**640**	---	---	---
Particles >14µm		**18**	---	---	---
ISO 4406:1999 (c)		**21/16/11**	---	---	---
Silicon	ppm	**5**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**77**	---	---	---
Magnesium	ppm	**15**	---	---	---
Zinc	ppm	**353**	---	---	---
Phosphorus	ppm	**314**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**2**	---	---	---

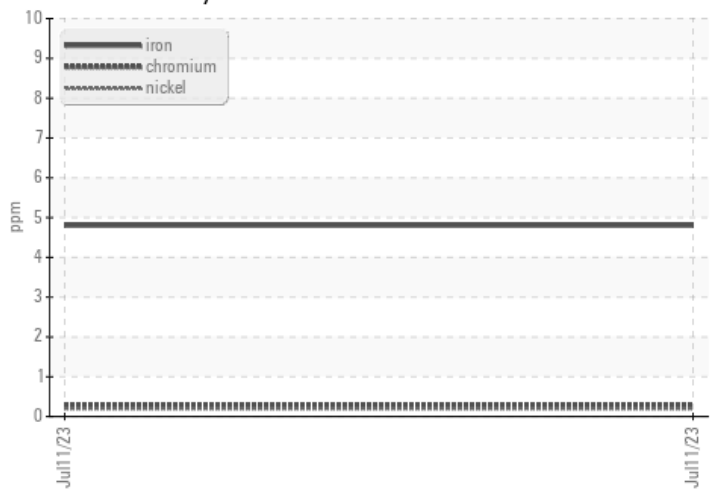
Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

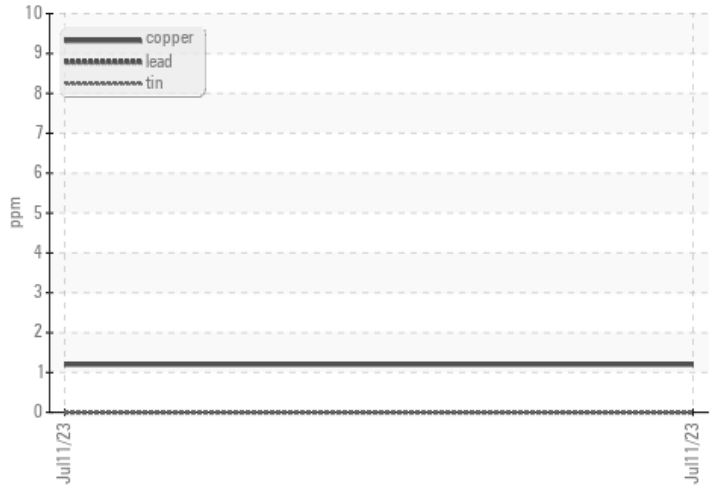
Depot: VOLVO8769
Unique No: 10587178
Signed: Don Baldridge
Report Date: 05 Aug 2023

GRAPHS

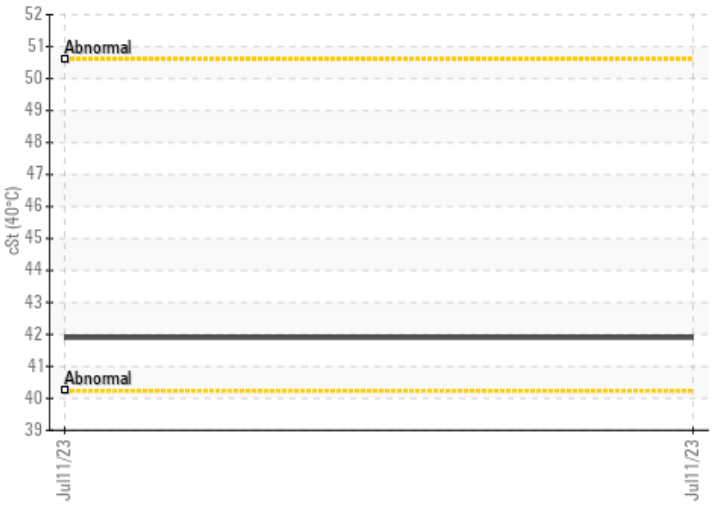
Ferrous Alloys



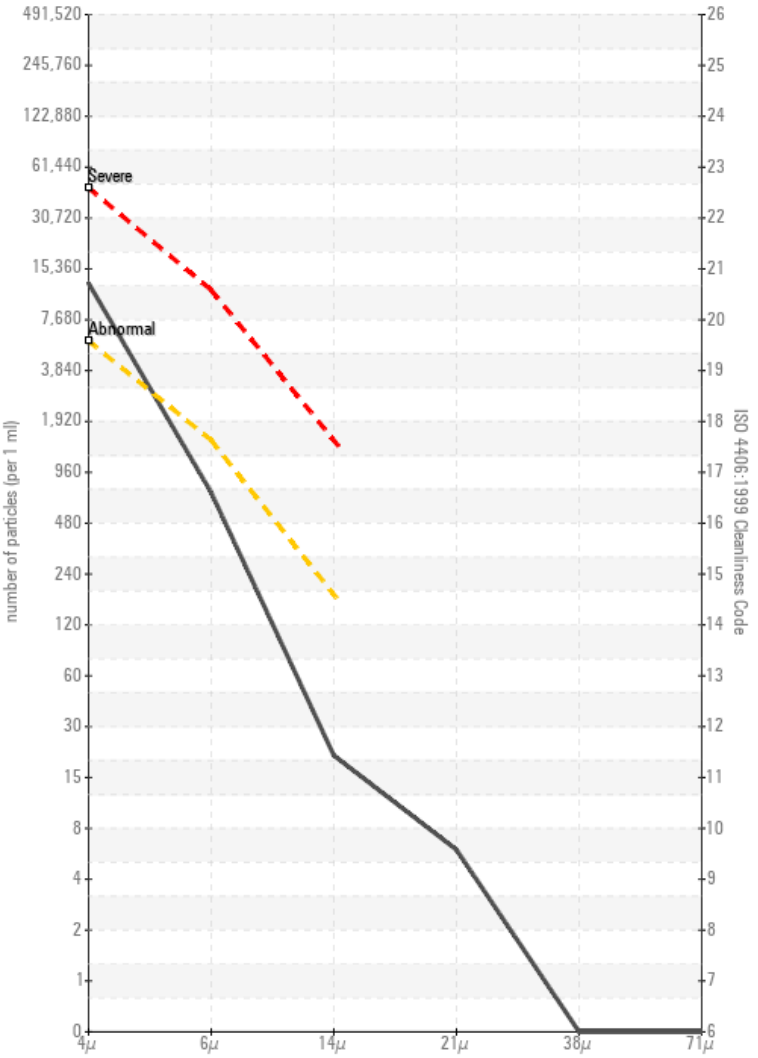
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number