



CONSTRUCTION EQUIPMENT

W0701303 PITTMAN TAKEUCHI TL12V2 3914 - HYDRAULIC SYSTEM



Sample No: VCP414597
Oil Type: DIESEL ENGINE OIL SAE 15W30
Job No: W0701303 PITTMAN



SAMPLE INFORMATION

Sample Number	VCP414597	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	1293	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	▲ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.82	---	---	---



CONTAMINATION

Particles >4µm		■ 4103	---	---	---
Particles >6µm		■ 417	---	---	---
Particles >14µm		■ 19	---	---	---
ISO 4406:1999 (c)		19/16/11	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 15	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

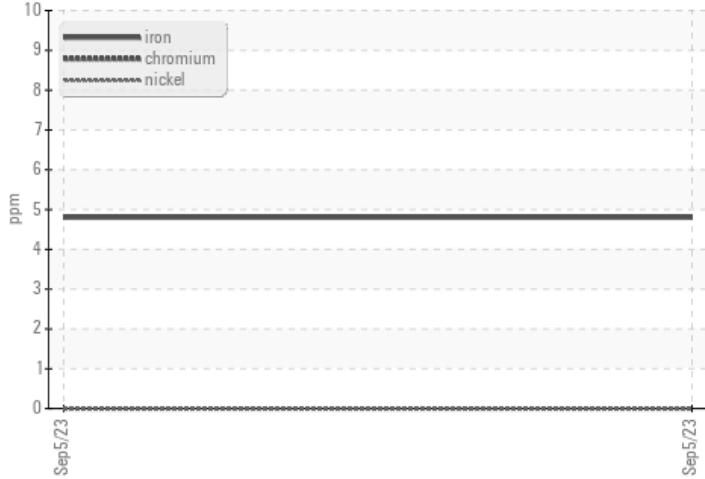
Calcium	ppm	■ 1680	---	---	---
Magnesium	ppm	■ 146	---	---	---
Zinc	ppm	■ 786	---	---	---
Phosphorus	ppm	■ 652	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 45	---	---	---

Depot: VOLVO8882
Unique No: 10642429
Signed: Jonathan Hester
Report Date: 13 Sep 2023

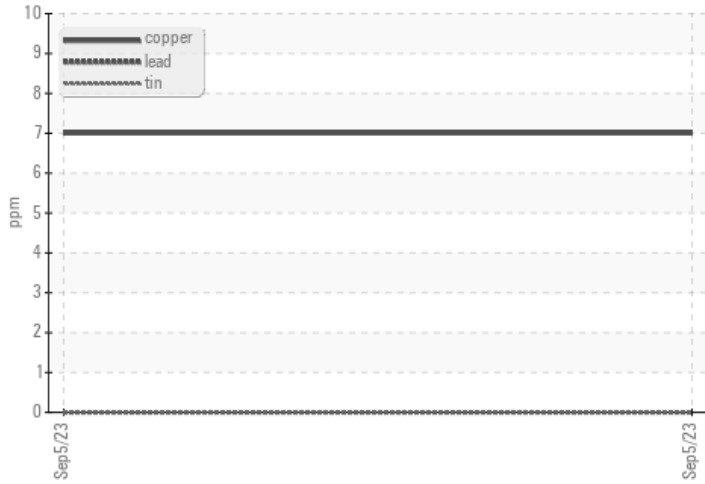


GRAPHS

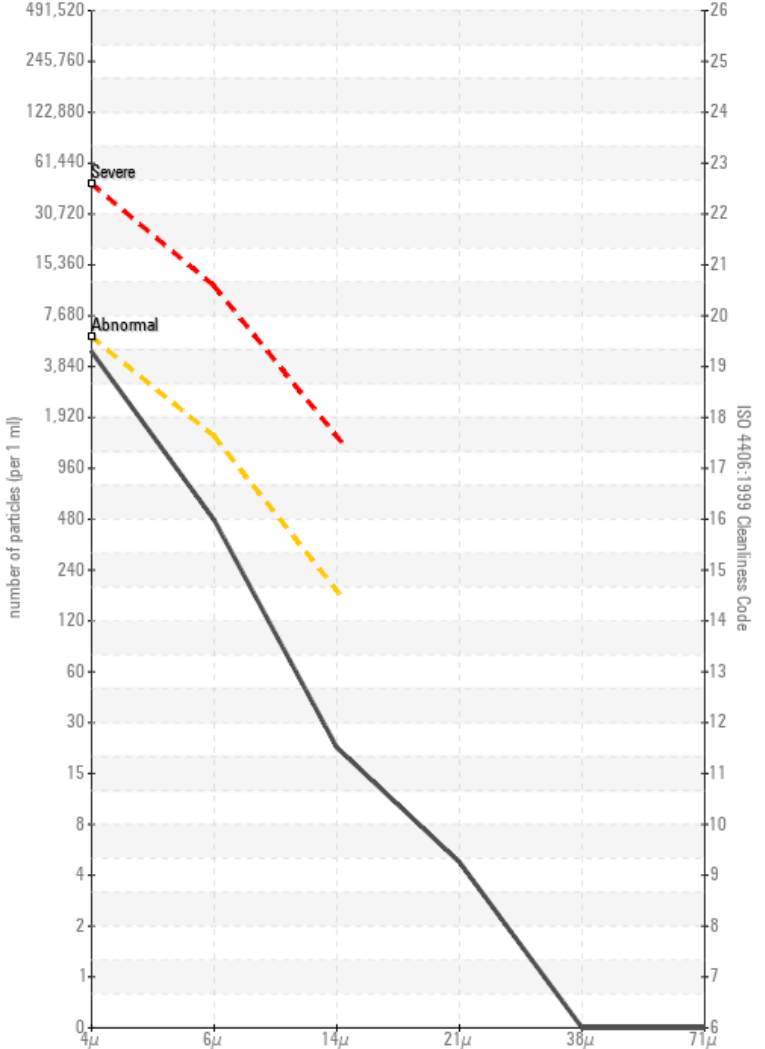
Ferrous Alloys



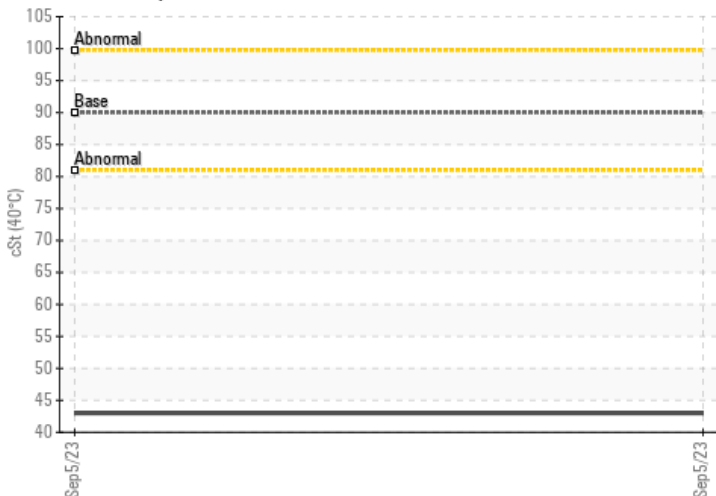
Non-ferrous Metals



Particle Count



▲ Viscosity @ 40°C



Acid Number

