



CONSTRUCTION EQUIPMENT

298 JOHN DEERE 390551 - RIGHT HYDRAULIC SYSTEM



Sample No: VCP426350
Oil Type: SHELL TELLUS S2 MX 46
Job No: 298



SAMPLE INFORMATION

Sample Number	VCP426350	---	---	---
Sample Date	06 Oct 2023	---	---	---
Machine Hours	4162	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 57.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.59	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 14077	---	---	---
Particles >6µm		▲ 4215	---	---	---
Particles >14µm		▲ 220	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 88	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 802	---	---	---
Phosphorus	ppm	■ 610	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: TOTGAI
Unique No: 10750588
Signed: Don Baldrige
Report Date: 21 Nov 2023

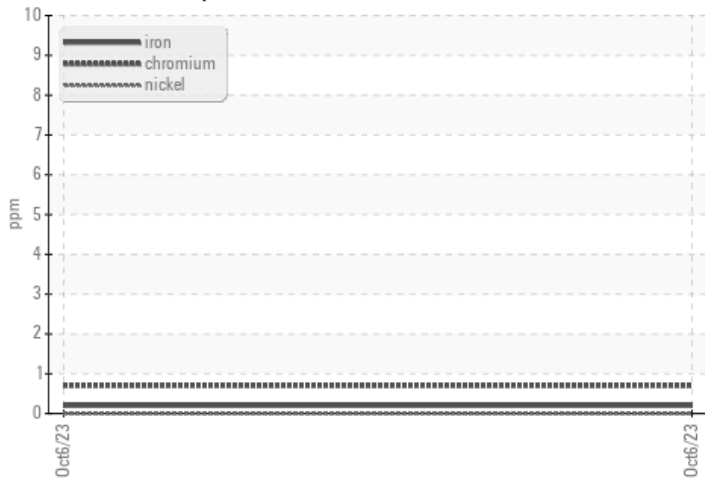


CONSTRUCTION EQUIPMENT

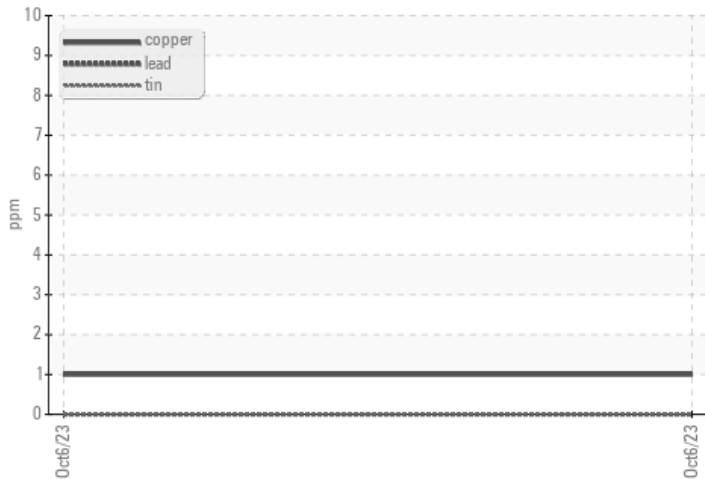


GRAPHS

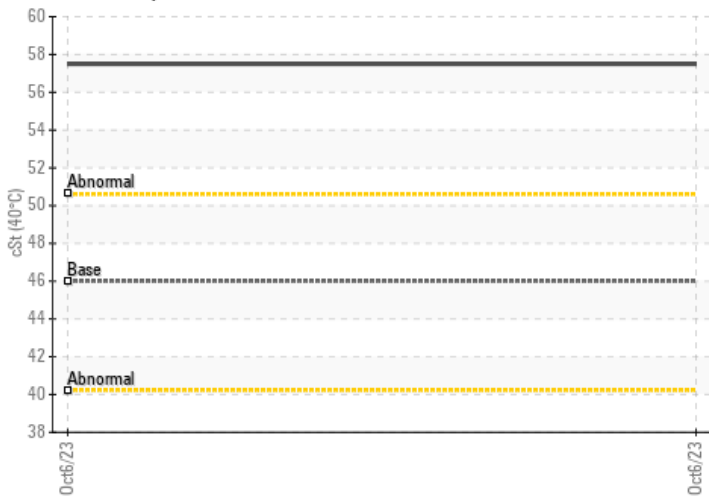
Ferrous Alloys



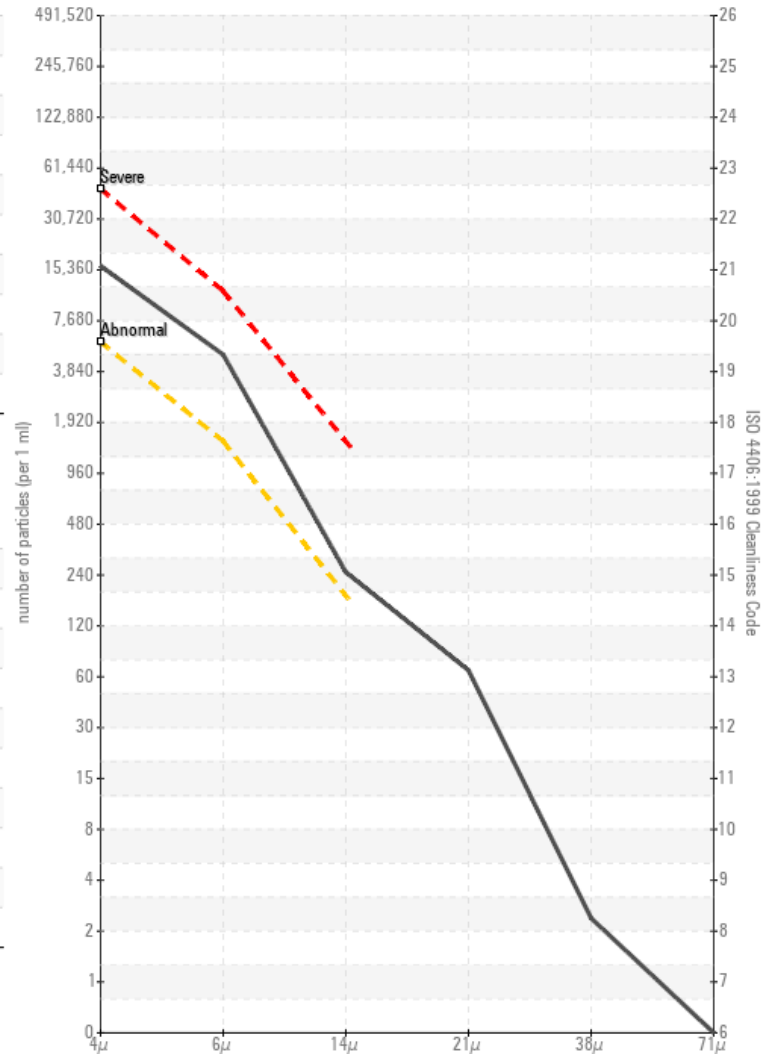
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

