



CONSTRUCTION EQUIPMENT

SPM621833 ENV ARTIST TAKEUCHI TL10 201000470 - HYDRAULIC SYSTEM



Sample No: VCP409067
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: SPM621833 ENV ARTIST



SAMPLE INFORMATION

Sample Number	VCP409067	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	4059	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 52.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.79	---	---	---

CONTAMINATION

Particles >4µm	▲ 62746	---	---	---
Particles >6µm	▲ 21204	---	---	---
Particles >14µm	▲ 1265	---	---	---
ISO 4406:1999 (c)	23/22/17	---	---	---
Silicon	ppm	█ 2	---	---
Sodium	ppm	█ 0	---	---
Potassium	ppm	█ 2	---	---

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. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 18	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ <1	---	---	---

ADDITIVES

Calcium	ppm	█ 670	---	---	---
Magnesium	ppm	█ 183	---	---	---
Zinc	ppm	█ 675	---	---	---
Phosphorus	ppm	█ 533	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 32	---	---	---

Depot: VOLVO5023
Unique No: 10736604
Signed: Don Baldrige
Report Date: 13 Nov 2023

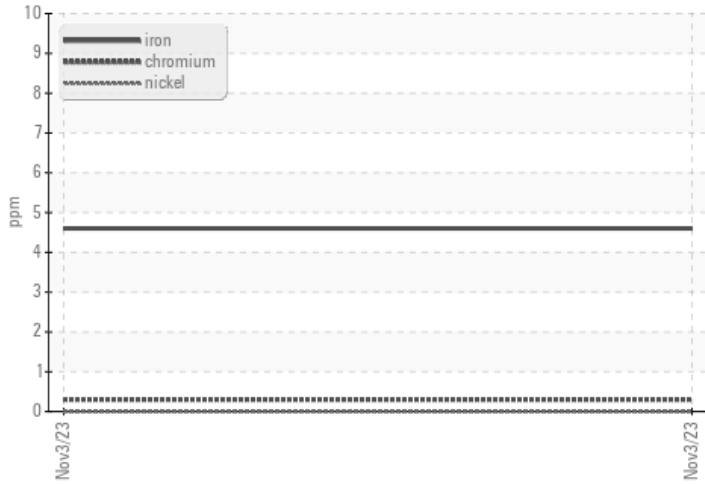


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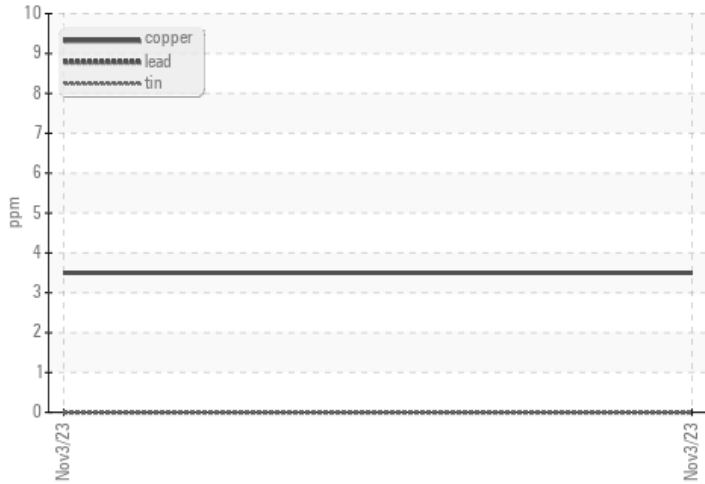


VOLVO GRAPHS

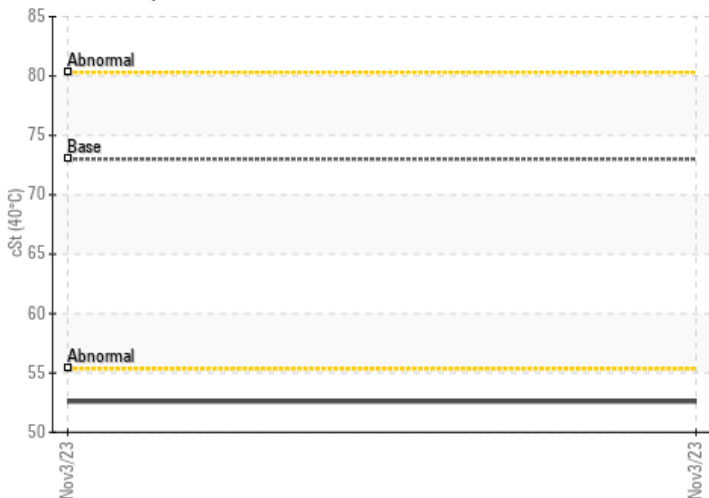
Ferrous Alloys



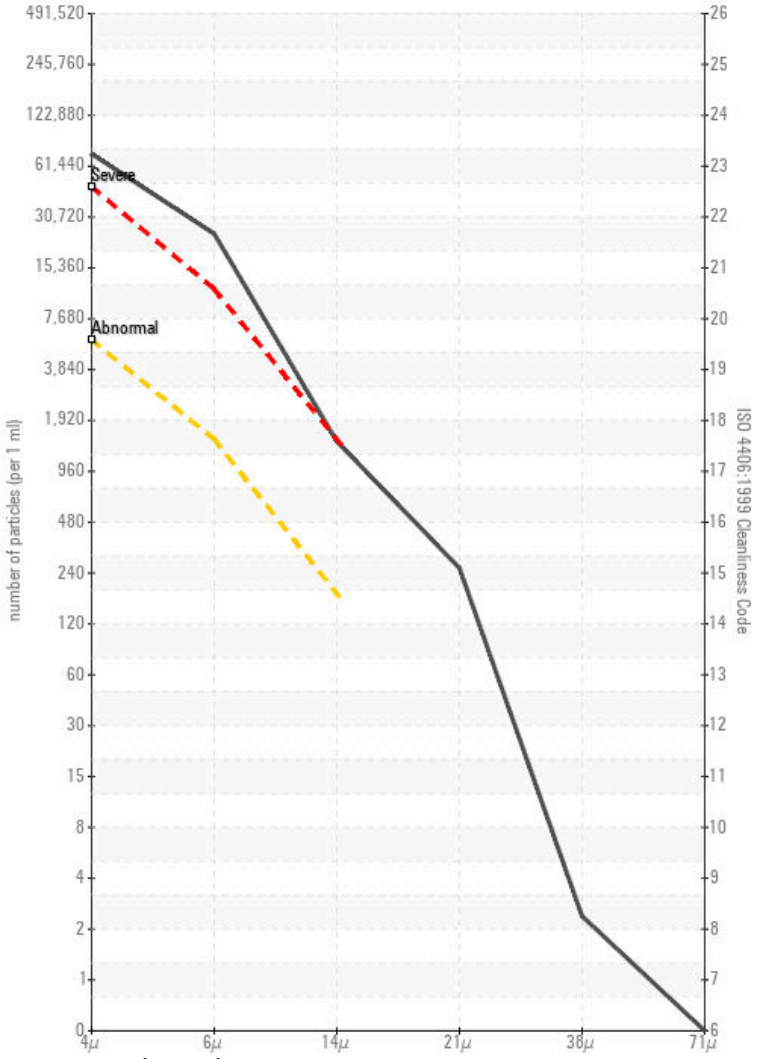
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

