



CONSTRUCTION EQUIPMENT

SPM608221-10 LONE PR TAKEUCHI TL12V2 412003873 - HYDRAULIC SYSTEM



Sample No: VCP409069
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: SPM608221-10 LONE PR



SAMPLE INFORMATION

Sample Number	VCP409069	VCP327057	---	---
Sample Date	12 Oct 2023	20 Feb 2022	---	---
Machine Hours	1554	572	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
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OIL CONDITION

Visc @ 40°C	cSt	52.2	47.4	---	---
Acid Number (AN)	mg KOH/g	0.87	1.18	---	---

CONTAMINATION

Particles >4µm		▲ 6360	▲ 19542	---	---
Particles >6µm		■ 178	■ 740	---	---
Particles >14µm		■ 6	■ 41	---	---
ISO 4406:1999 (c)		20/15/10	21/17/13	---	---
Silicon	ppm	■ 4	■ 6	---	---
Sodium	ppm	■ 0	■ 0	---	---
Potassium	ppm	■ 2	■ 0	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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 condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	■ 6	■ 4	---	---
Copper	ppm	■ 14	■ 4	---	---
Lead	ppm	■ 2	■ 2	---	---
Tin	ppm	■ 1	■ <1	---	---
Aluminum	ppm	■ 1	■ 1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 31	■ 20	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	■ <1	■ 0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 0	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 1462	■ 3566	---	---
Magnesium	ppm	■ 166	■ 69	---	---
Zinc	ppm	■ 690	■ 744	---	---
Phosphorus	ppm	■ 585	■ 659	---	---
Barium	ppm	■ <1	■ 0	---	---
Boron	ppm	■ 63	■ 17	---	---

Depot: VOLVO2990
Unique No: 10714232
Signed: Don Baldrige
Report Date: 30 Oct 2023

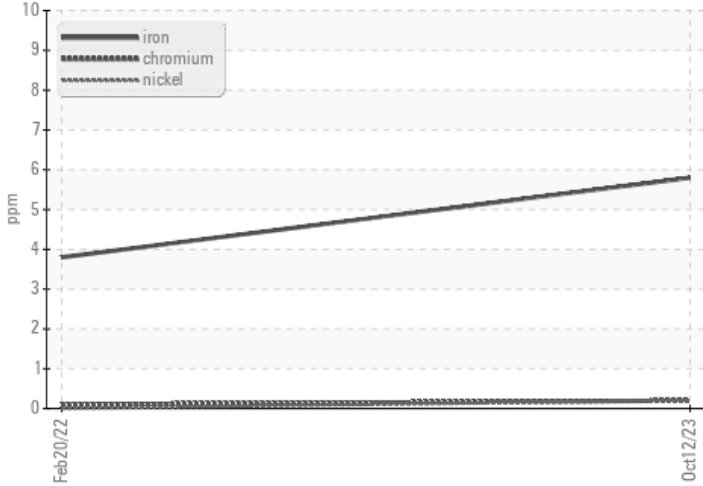


CONSTRUCTION EQUIPMENT

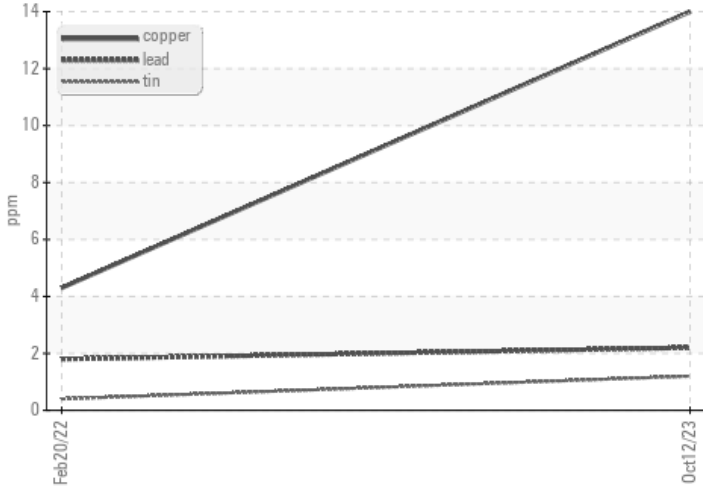


VOLVO GRAPHS

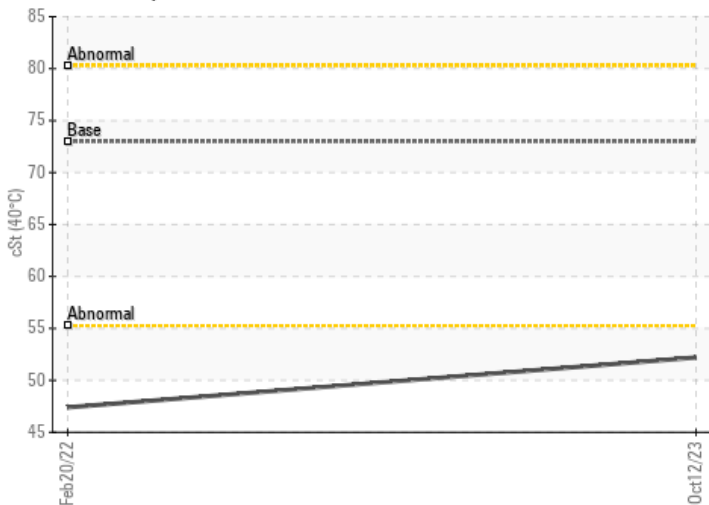
Ferrous Alloys



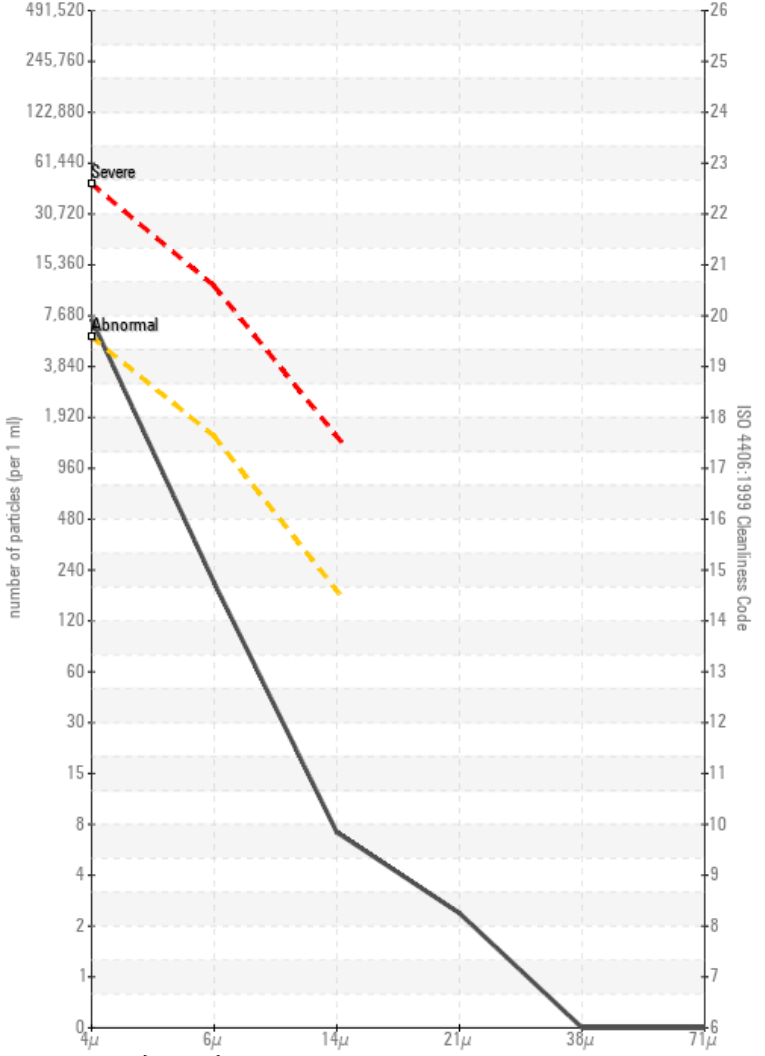
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

