



CONSTRUCTION EQUIPMENT

SPM620877-10 BONACCI VOLVO EC350 3 10252 - HYDRAULIC SYSTEM



Sample No: VCP409102
Oil Type: SAE 80W90
Job No: SPM620877-10 BONACCI



SAMPLE INFORMATION

Sample Number	VCP409102	---	---	---
Sample Date	25 Oct 2023	---	---	---
Machine Hours	5195	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: NATE ROSZCZEWSKI
 nate.roszczewski@altaequipment.com
 T:
 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	▲ 40.2	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.32	---	---	---



CONTAMINATION

Particles >4µm		■ 33610	---	---	---
Particles >6µm		■ 412	---	---	---
Particles >14µm		■ 9	---	---	---
ISO 4406:1999 (c)		■ 22/16/10	---	---	---
Silicon	ppm	■ 38	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	▲ 66	---	---	---
Copper	ppm	■ 25	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 146	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 469	---	---	---
Phosphorus	ppm	■ 373	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO2990
Unique No: 10737949
Signed: Don Baldrige
Report Date: 14 Nov 2023

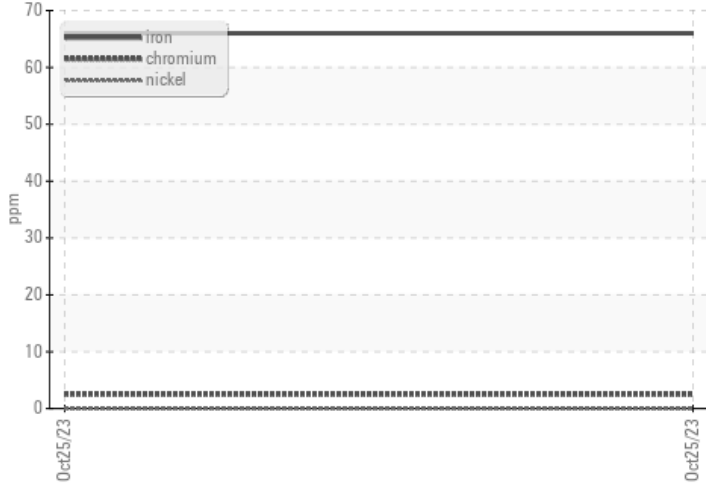


CONSTRUCTION EQUIPMENT

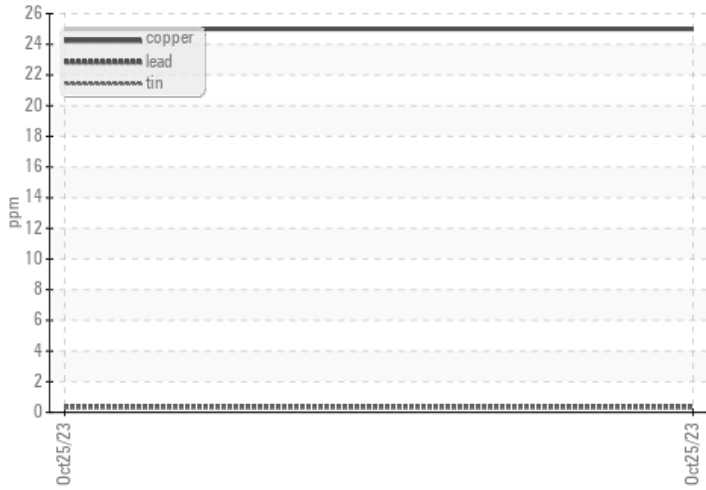


GRAPHS

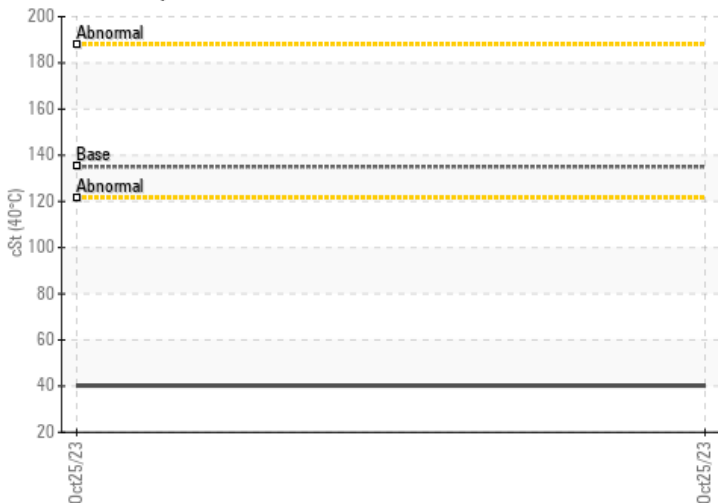
▲ Ferrous Alloys



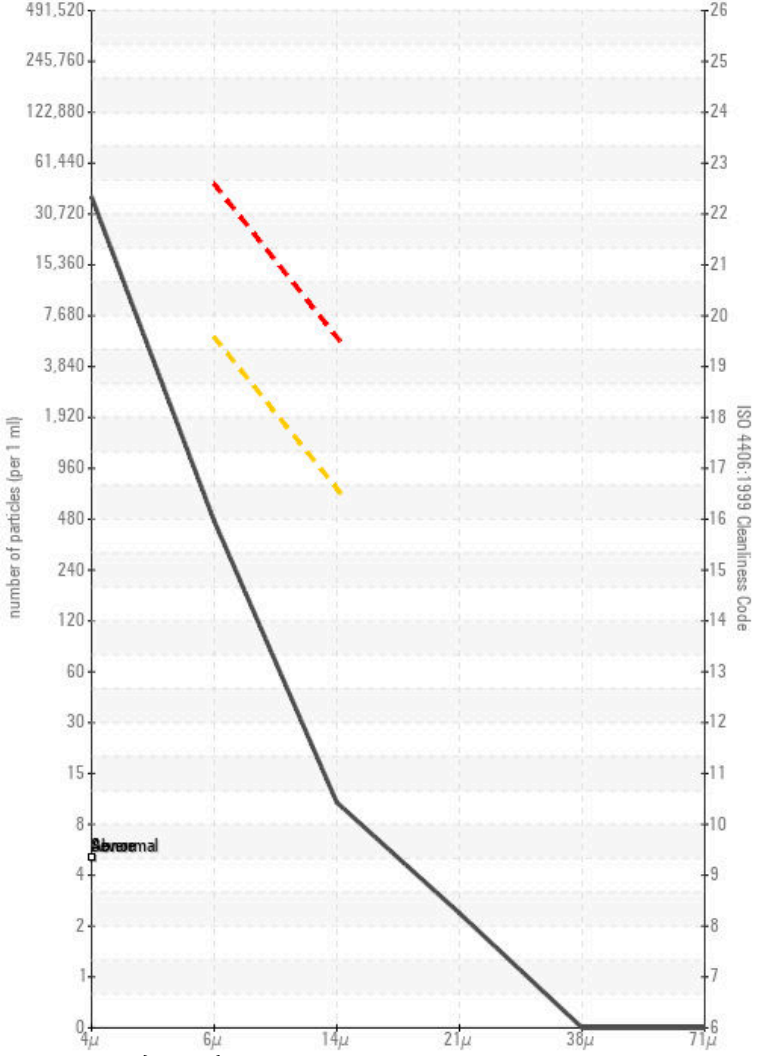
Non-ferrous Metals



▲ Viscosity @ 40°C



Particle Count



Acid Number

