



CONSTRUCTION EQUIPMENT

SW064468 VOLVO EC200EL 3 14424 - HYDRAULIC SYSTEM



Sample No: VCP426964
Oil Type: VOLVO DTE 26
Job No: SW064468



SAMPLE INFORMATION

Sample Number	VCP426964	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1995	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
 PENSACOLA, FL
 US 32534

Contact: HUGH DOBBS
 HDOBBS@COWIN.COM
 T: (850)479-3004
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OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.65	---	---	---



CONTAMINATION

Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 32	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	596	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	475	---	---	---
Phosphorus	ppm	394	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8247
Unique No: 10603279
Signed: Don Baldrige
Report Date: 15 Aug 2023

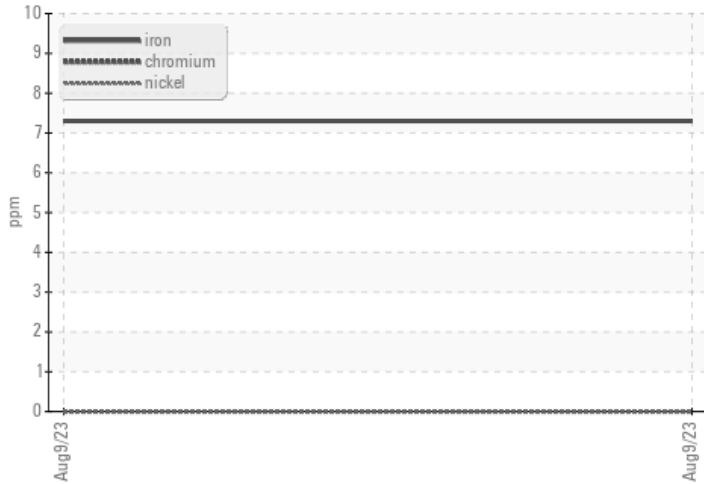


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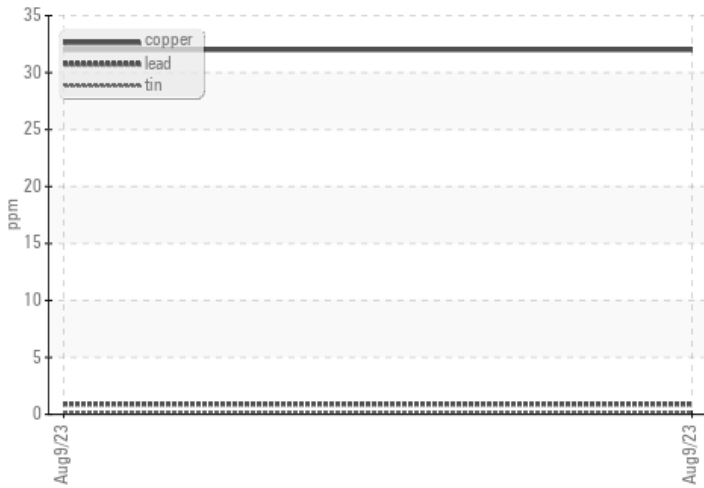


GRAPHS

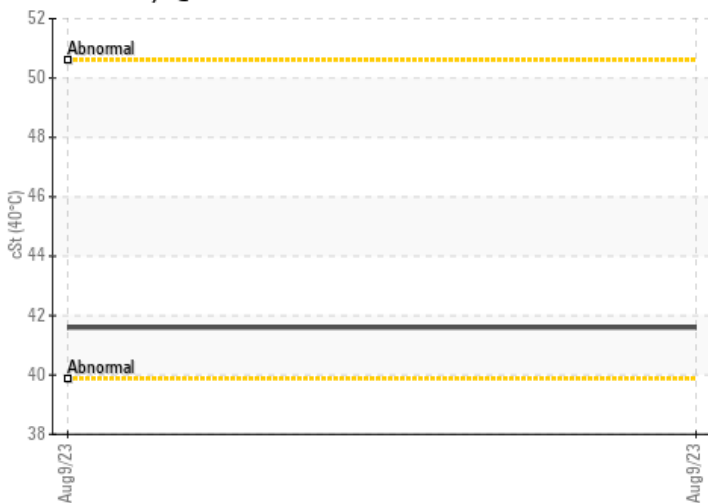
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

