



CONSTRUCTION EQUIPMENT

RSO-034582 VOLVO EC350EL 314317 - HYDRAULIC SYSTEM



Sample No: VCP369082
Oil Type: NOT GIVEN
Job No: RSO-034582



SAMPLE INFORMATION

Sample Number	VCP369082	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	537	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
BIRMINGHAM, AL
US 35217
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OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.51	---	---	---



CONTAMINATION

Water	%	▲ 0.608	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	78	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	484	---	---	---
Phosphorus	ppm	409	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count. All component wear rates are normal. Appearance is milky. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

Depot: VOLVO8528
Unique No: 10576550
Signed: Don Baldrige
Report Date: 31 Jul 2023

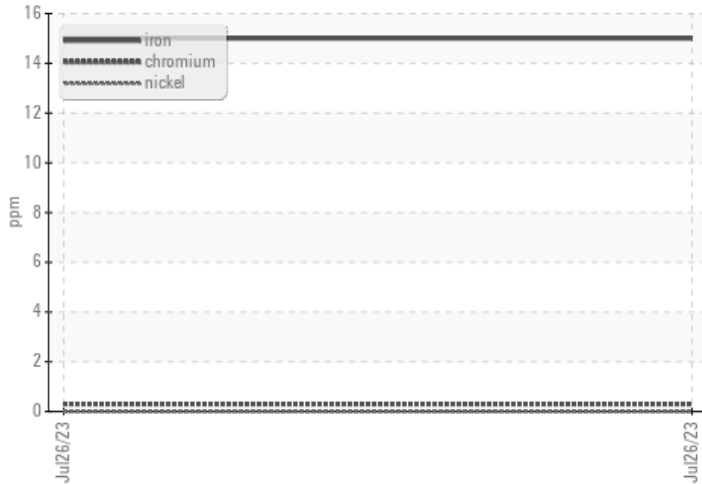


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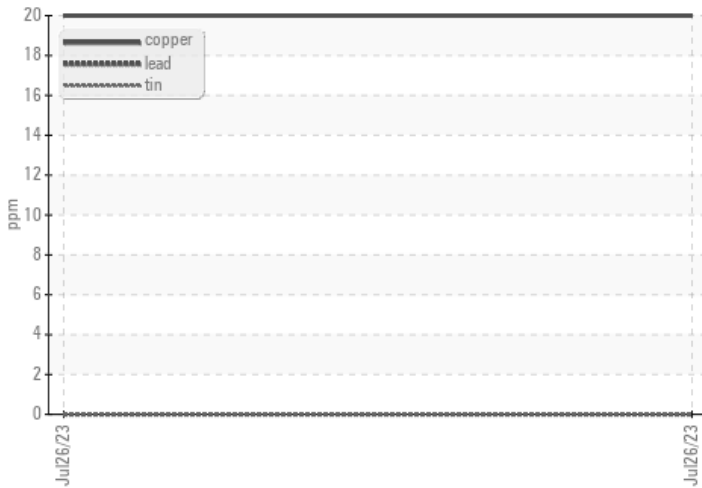


GRAPHS

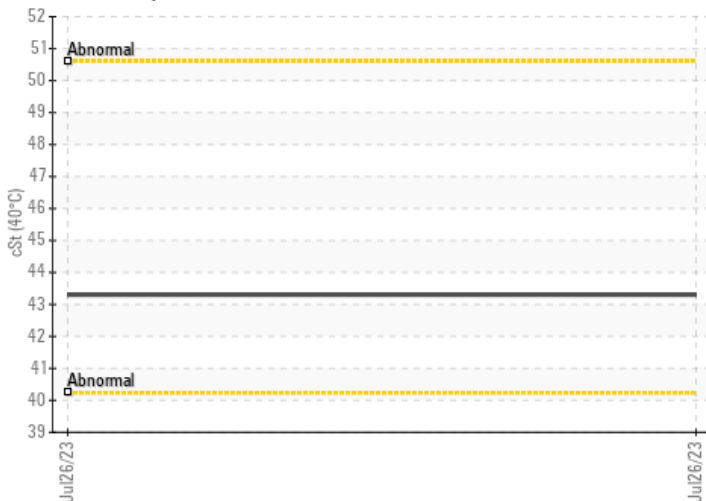
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

