



CONSTRUCTION EQUIPMENT

CROUCH SAND & GRAVEL VOLVO EC300EL 311135 - HYDRAULIC SYSTEM



Sample No: VCP409581
Oil Type: NOT GIVEN
Job No: CROUCH SAND & GRAVEL



SAMPLE INFORMATION

Sample Number	VCP409581	VCP409584	---	---
Sample Date	08 Sep 2023	25 Aug 2023	---	---
Machine Hours	10060	10030	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	SEVERE	---	---

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 1350 NE LOOP 820
 FORT WORTH, TX
 US 76106
 Contact: CHRIS BITNER
 CBitner@romco.com
 T:
 F: (817)626-8983



OIL CONDITION

Visc @ 40°C	cSt	60.2	49.6	---	---
Acid Number (AN)	mg KOH/g	0.33	0.26	---	---



CONTAMINATION

Water	%	0.121	---	---	---
Particles >4µm		---	147903	---	---
Particles >6µm		---	55561	---	---
Particles >14µm		---	1795	---	---
ISO 4406:1999 (c)		---	24/23/18	---	---
Silicon	ppm	3	13	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	6	3	---	---



WEAR METALS

Iron	ppm	13	51	---	---
Copper	ppm	9	35	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	5	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	80	82	---	---
Magnesium	ppm	2	4	---	---
Zinc	ppm	430	423	---	---
Phosphorus	ppm	358	364	---	---
Barium	ppm	0	2	---	---
Boron	ppm	<1	0	---	---

Diagnosis

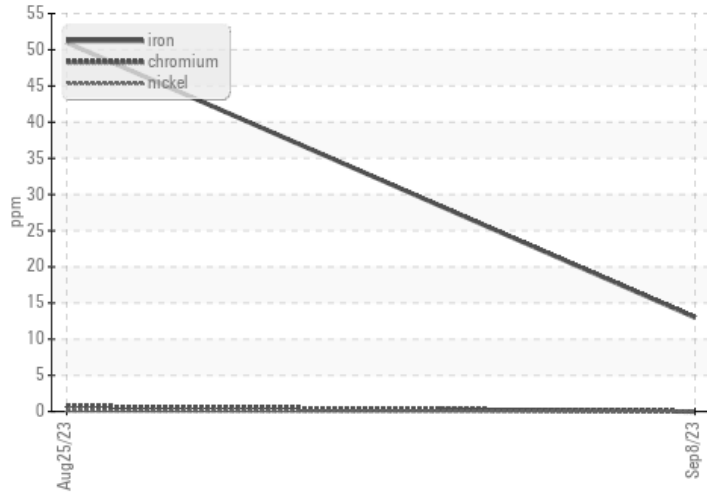
The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. 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: VOLVO0081
Unique No: 10643936
Signed: Don Baldrige
Report Date: 14 Sep 2023

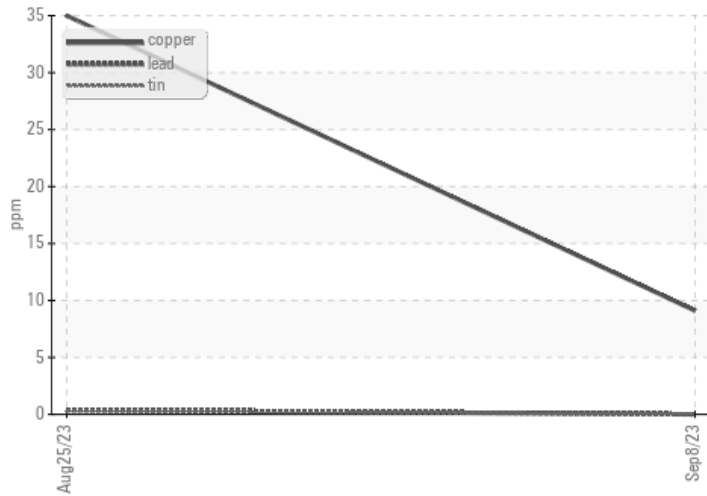


GRAPHS

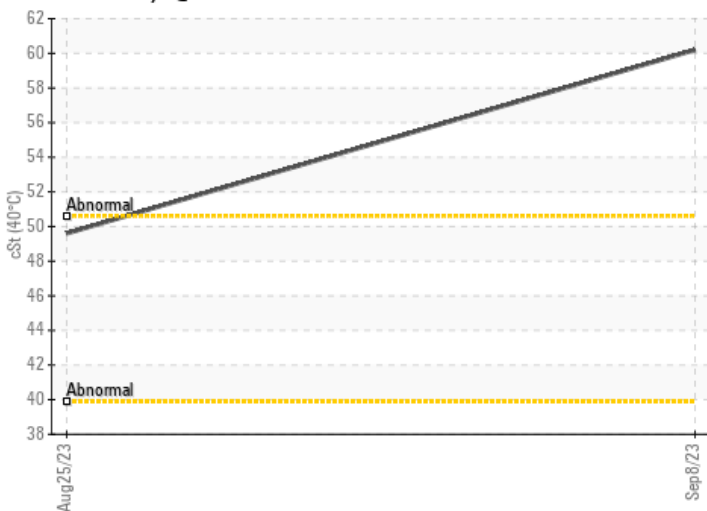
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

