CONSTRUCTION EQUIPMENT

W0228669 CROUCH SAND VOLVO EC300EL 311135 - HYDRAULIC SYSTEM

Sample No: VCP409584
Oil Type: NOT GIVEN
Job No: W0228669 CROUCH SAND

ROMCO INC
1350 NE LOOP 820
FORT WORTH, TX
US 76106
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SAMPLE INFORMATION

Sample Number		**VCP409584**	---	---	---
Sample Date		**25 Aug 2023**	---	---	---
Machine Hours		**10030**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**SEVERE**	---	---	---

OIL CONDITION

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

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

Calcium	ppm	**82**	---	---	---
Magnesium	ppm	**4**	---	---	---
Zinc	ppm	**423**	---	---	---
Phosphorus	ppm	**364**	---	---	---
Barium	ppm	**2**	---	---	---
Boron	ppm	**0**	---	---	---

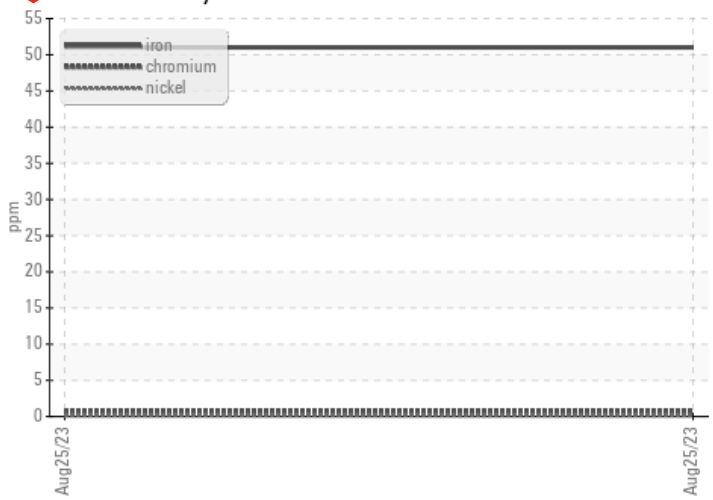
Diagnosis

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.The iron level is severe. High wear metal levels may reflect the reported issue. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.

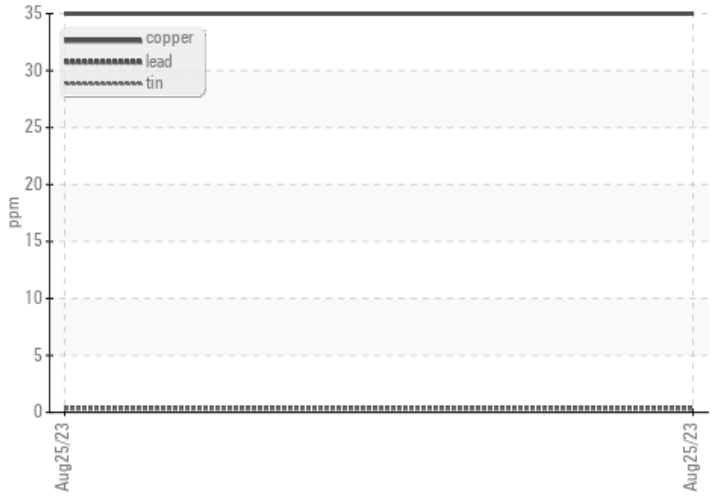
Depot: VOLVO0081
Unique No: 10631307
Signed: Doug Bogart
Report Date: 07 Sep 2023

GRAPHS

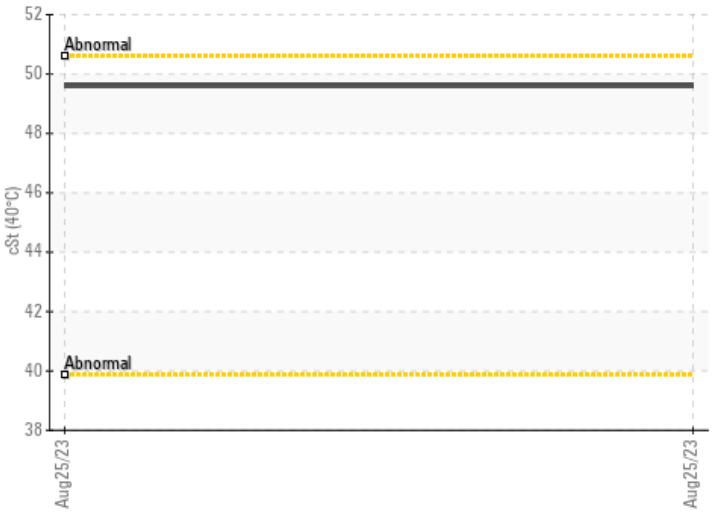
Ferrous Alloys



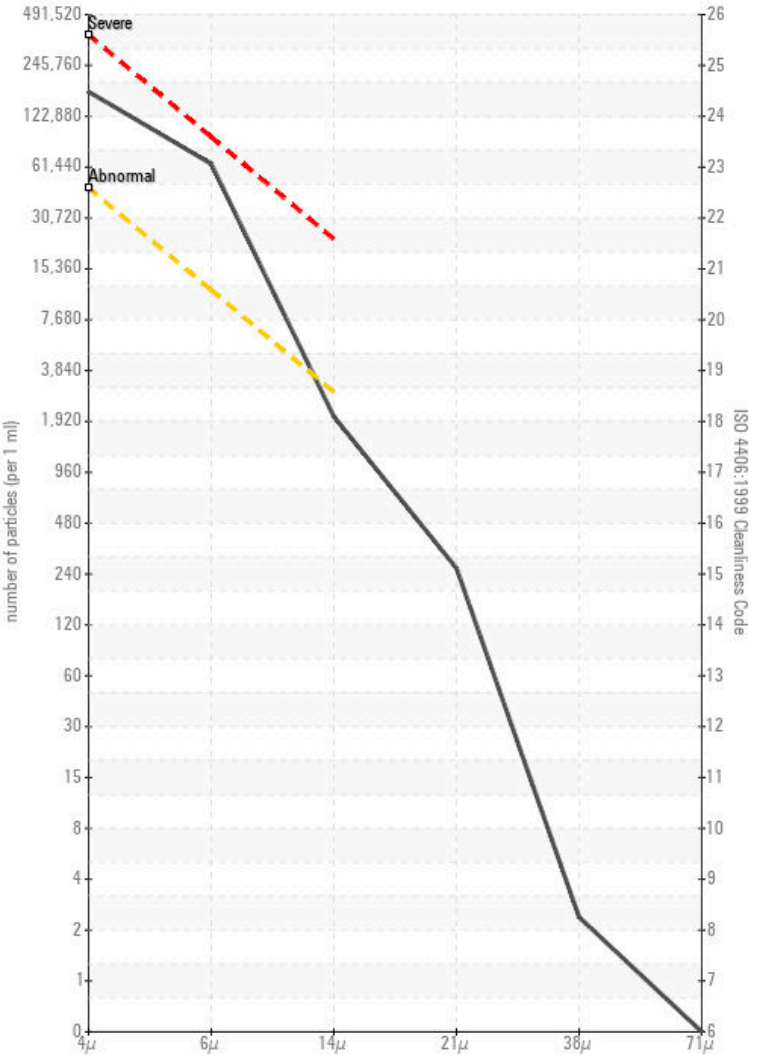
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number