CONSTRUCTION EQUIPMENT

W0330012 MGC CONTRAC VOLVO EC300E 314688 - HYDRAULIC SYSTEM

Sample No: VCP424644
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W0330012 MGC CONTRAC

ROMCO INC MAIN
PO BOX 200210
SAN ANTONIO, TX
US 78220
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SAMPLE INFORMATION

Sample Number		**VCP424644**	VCP372411	---	---
Sample Date		**05 Apr 2024**	13 Jan 2023	---	---
Machine Hours		**3184**	2207	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Changed**	Not Changd	---	---
Sample Status		**ABNORMAL**	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.1**	43.4	---	---
Acid Number (AN)	mg KOH/g	**0.46**	0.52	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**94933**	42397	---	---
Particles >6µm		**34730**	2776	---	---
Particles >14µm		**3493**	23	---	---
ISO 4406:1999 (c)		**24/22/19**	23/19/12	---	---
Silicon	ppm	**3**	3	---	---
Sodium	ppm	**<1**	0	---	---
Potassium	ppm	**0**	0	---	---

WEAR METALS

Iron	ppm	**3**	3	---	---
Copper	ppm	**31**	36	---	---
Lead	ppm	**0**	<1	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**0**	<1	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**0**	0	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	0	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**39**	39	---	---
Magnesium	ppm	**0**	0	---	---
Zinc	ppm	**359**	382	---	---
Phosphorus	ppm	**327**	353	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**0**	0	---	---

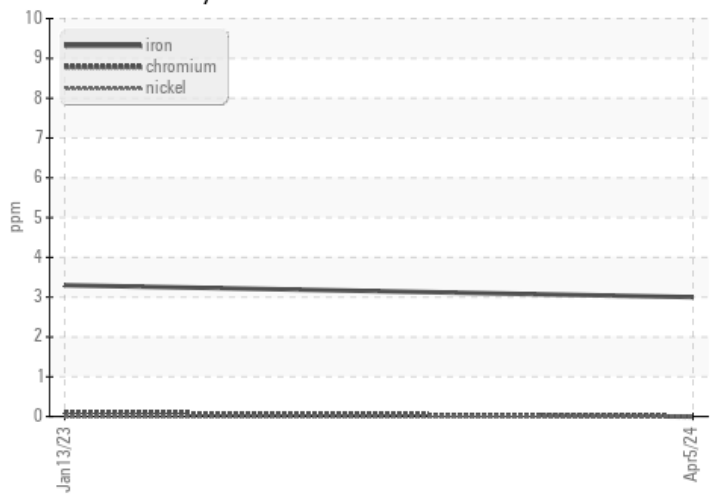
Diagnosis

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.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

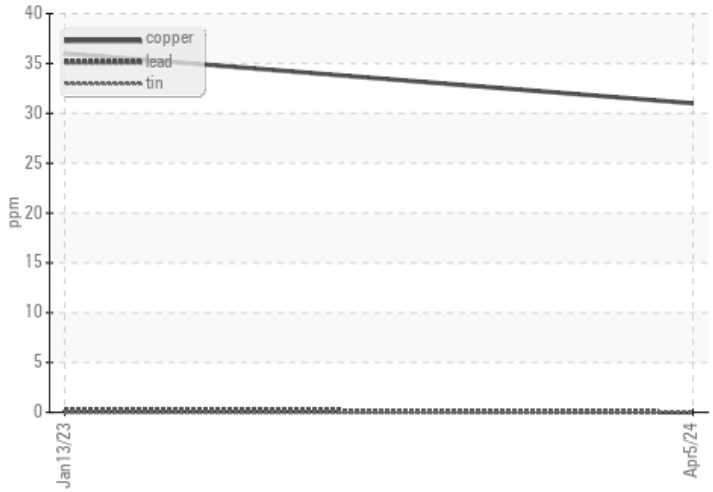
Depot: VOLVO0170
Unique No: 10975887
Signed: Don Baldridge
Report Date: 14 Apr 2024

GRAPHS

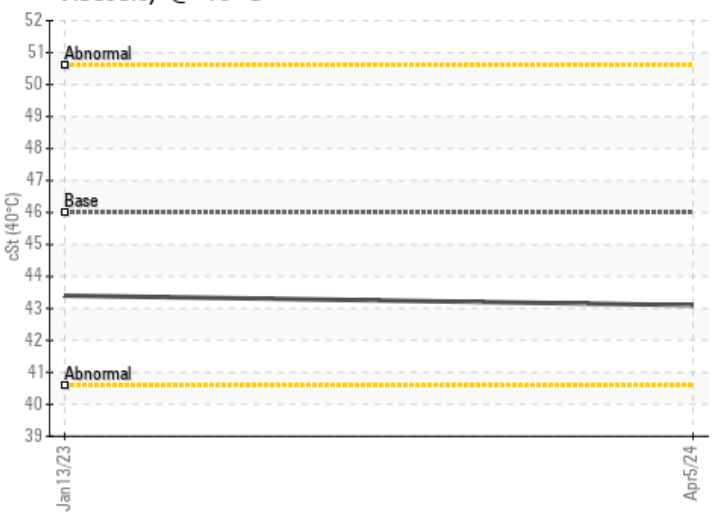
Ferrous Alloys



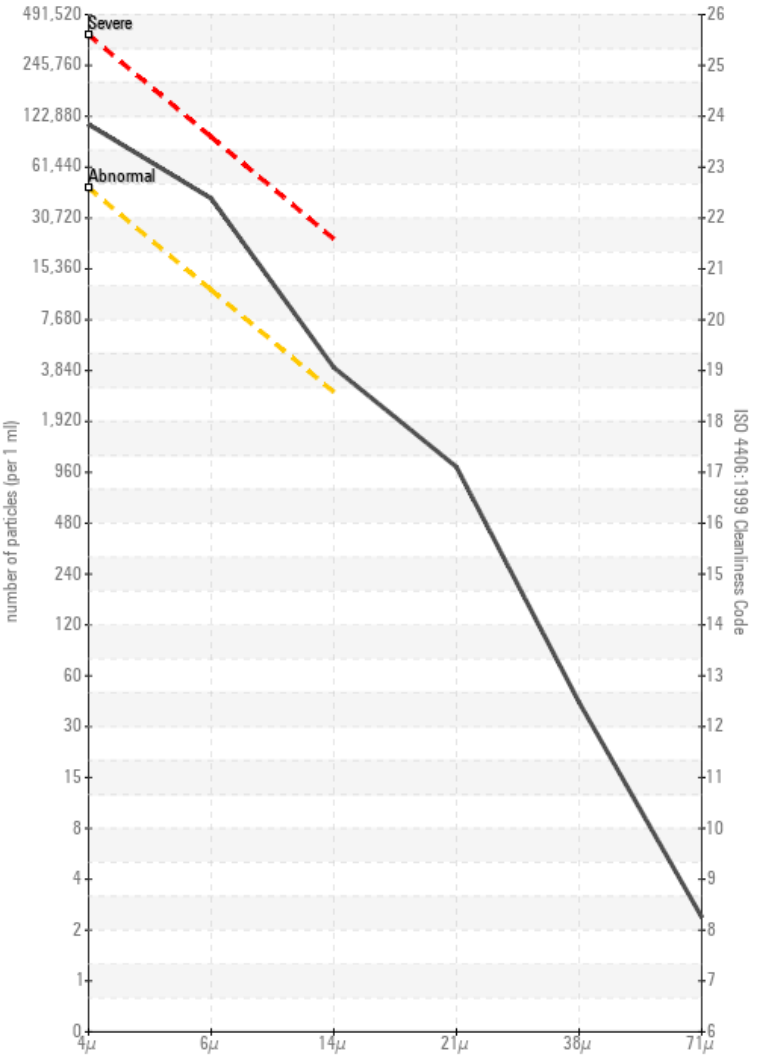
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number