



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - HYDRAULIC SYSTEM



Sample No: VCP399595

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP399595	VCP373576	---	---
Sample Date	18 Sep 2023	22 Mar 2023	---	---
Machine Hours	1722	757	---	---
Oil Hours	0	757	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	42.7	43.0	---	---
Acid Number (AN)	mg KOH/g	0.26	0.34	---	---



CONTAMINATION

Particles >4µm		39275	---	---	---
Particles >6µm		7270	---	---	---
Particles >14µm		307	---	---	---
ISO 4406:1999 (c)		22/20/15	---	---	---
Silicon	ppm	9	7	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	14	4	---	---
Copper	ppm	6	3	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	62	54	---	---
Magnesium	ppm	1	8	---	---
Zinc	ppm	444	383	---	---
Phosphorus	ppm	308	302	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---



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Contact: STEVE DUNN
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T:
F:

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: DUNBEL
Unique No: 10701988
Signed: Wes Davis
Report Date: 23 Oct 2023

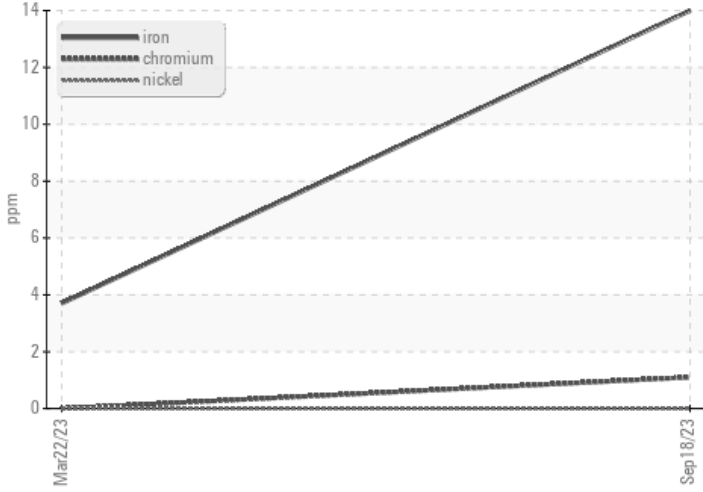


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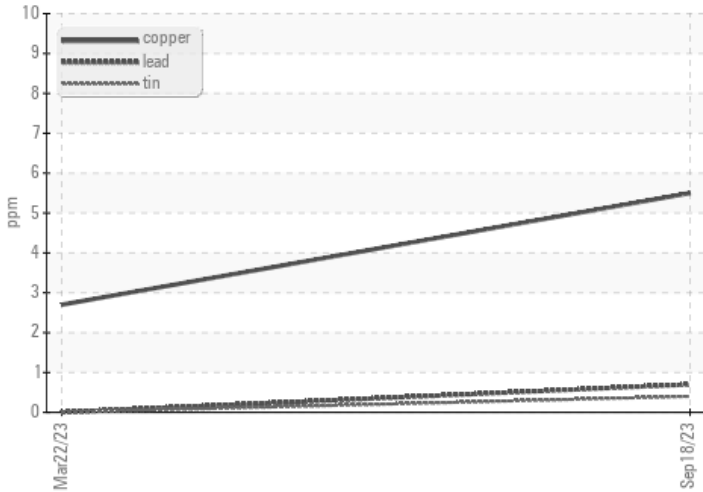


GRAPHS

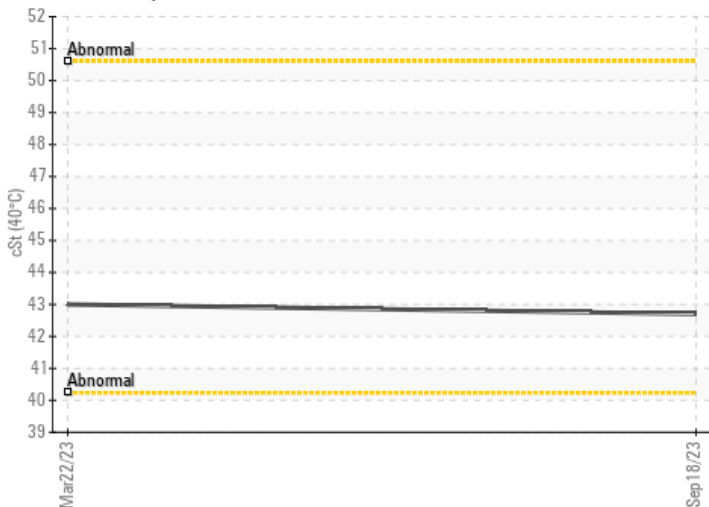
Ferrous Alloys



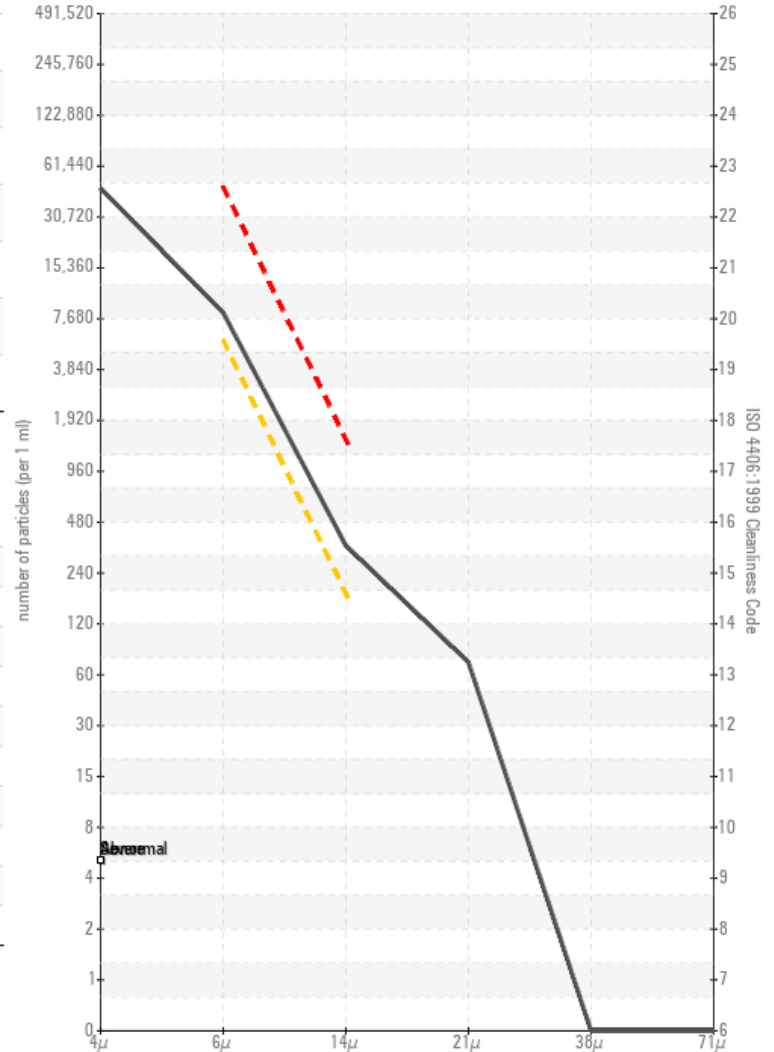
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

