



CONSTRUCTION EQUIPMENT

59903 VOLVO A40G 352367 - HYDRAULIC SYSTEM



Sample No: VCP276893
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 59903



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SAMPLE INFORMATION

Sample Number	VCP276893	---	---	---
Sample Date	30 Oct 2020	---	---	---
Machine Hours	1095	---	---	---
Oil Hours	1095	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 41.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.392	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 61114	---	---	---
Particles >6µm		▲ 10838	---	---	---
Particles >14µm		● 228	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

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 acceptable for the time in service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 49	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 407	---	---	---
Phosphorus	ppm	█ 320	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLVO0093
Unique No: 9258074
Signed: Angela Borella
Report Date: 19 Nov 2020

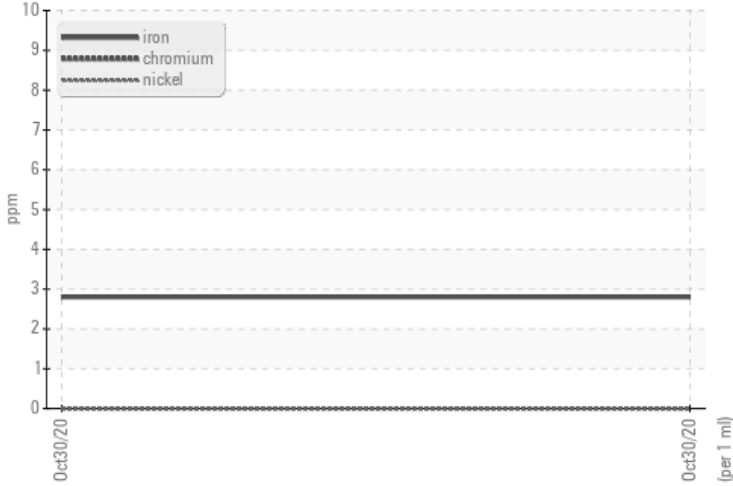


CONSTRUCTION EQUIPMENT

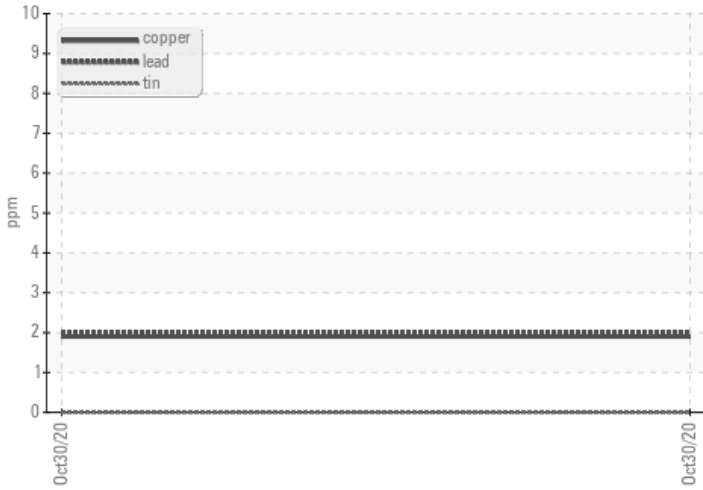


GRAPHS

Ferrous Alloys



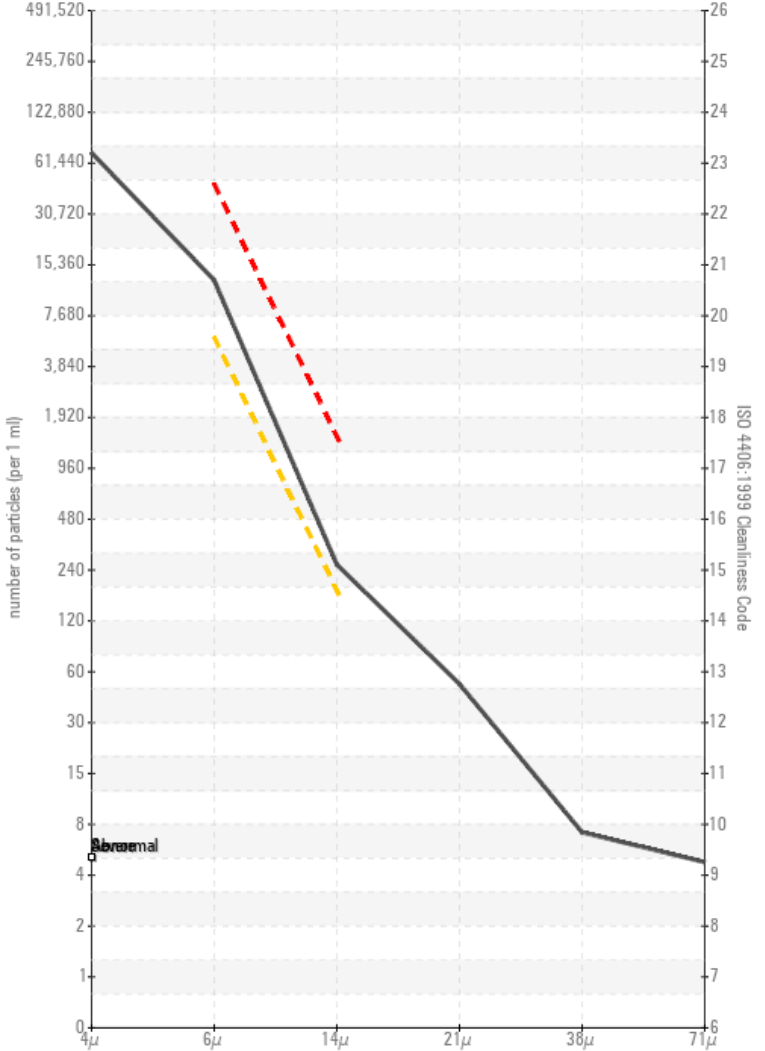
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

