



CONSTRUCTION EQUIPMENT

SW1023492 UPAP VOLVO L90H 626690 - HYDRAULIC SYSTEM



Sample No: VCE196100
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1023492 UPAP



SAMPLE INFORMATION

Sample Number	VCE196100	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	643	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



CONTAMINATION

Particles >4µm		▲ 8306	---	---	---
Particles >6µm		▲ 2453	---	---	---
Particles >14µm		▲ 186	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
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 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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 66	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 457	---	---	---
Phosphorus	ppm	█ 350	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6174
Unique No: 10636244
Signed: Wes Davis
Report Date: 11 Sep 2023

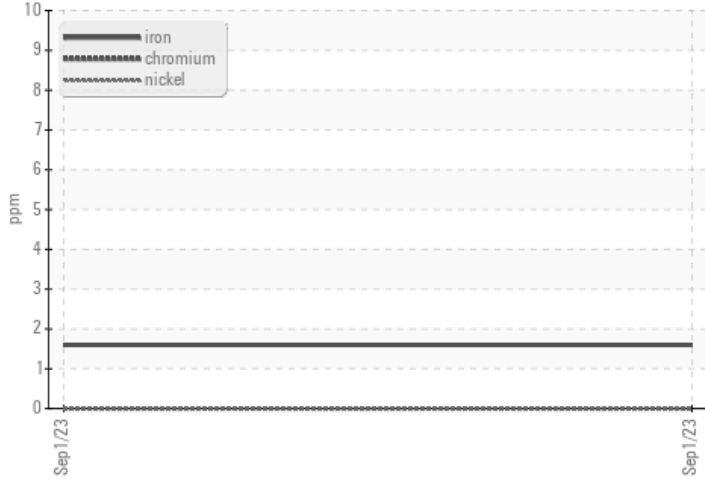


CONSTRUCTION EQUIPMENT

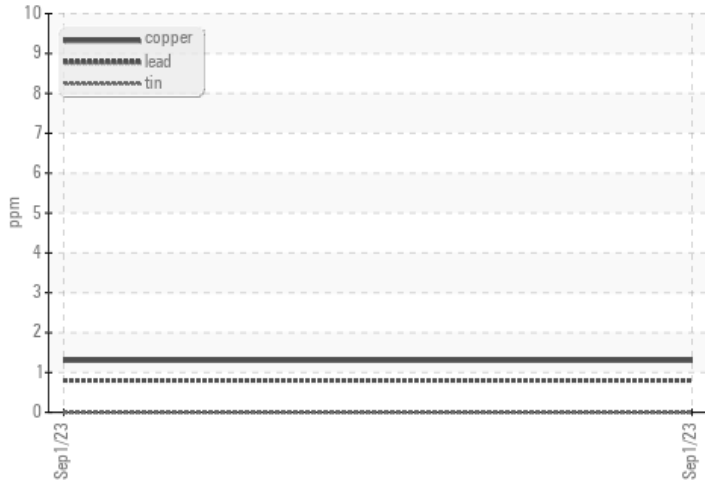


VOLVO GRAPHS

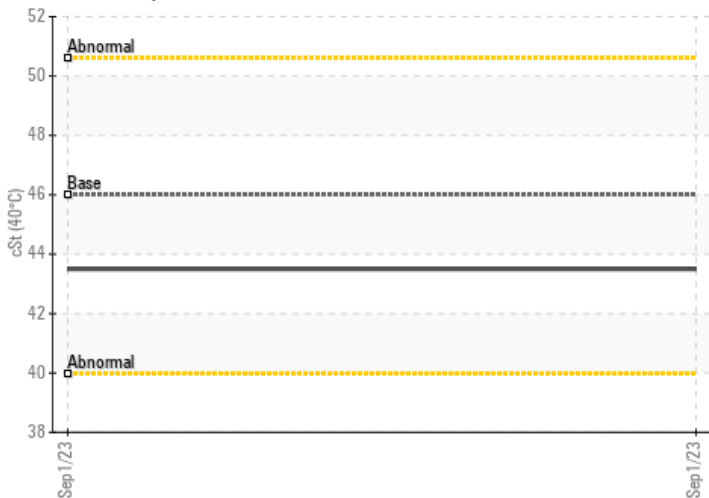
Ferrous Alloys



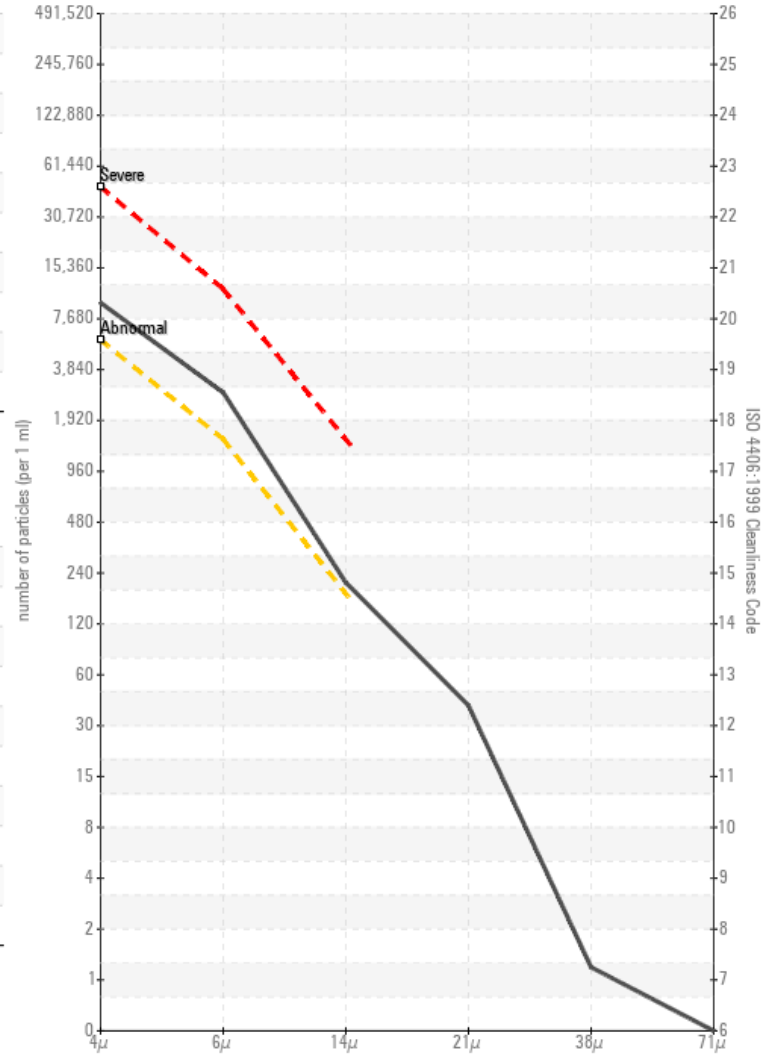
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

