



CONSTRUCTION EQUIPMENT

SWA373987 FERROUS VOLVO L90H 626289 - HYDRAULIC SYSTEM



Sample No: VCP413083
Oil Type: NOT GIVEN
Job No: SWA373987 FERROUS



SAMPLE INFORMATION

Sample Number	VCP413083	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	1039	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

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 DAVIE, FL
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 T: (954)581-4744
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OIL CONDITION

Visc @ 40°C	cSt	█ 48.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.44	---	---	---



CONTAMINATION

Particles >4µm	█ 55164	---	---	---	
Particles >6µm	█ 16609	---	---	---	
Particles >14µm	▲ 886	---	---	---	
ISO 4406:1999 (c)	23/21/17	---	---	---	
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	317	---	---	---
Magnesium	ppm	43	---	---	---
Zinc	ppm	511	---	---	---
Phosphorus	ppm	393	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	13	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: VOLVO0095
Unique No: 10672759
Signed: Wes Davis
Report Date: 03 Oct 2023

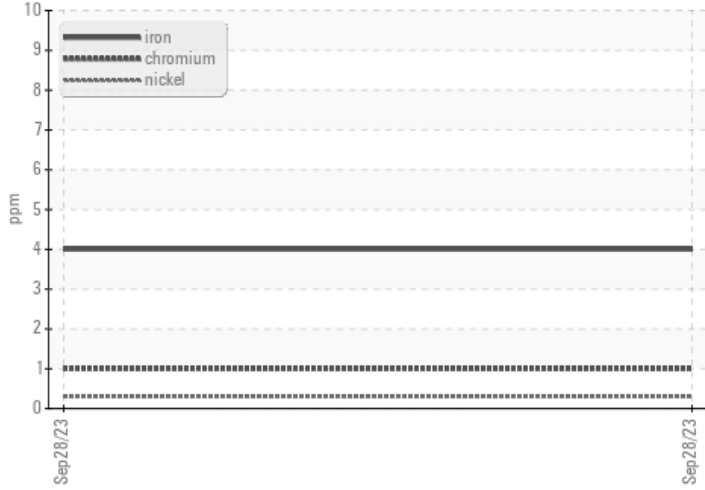


CONSTRUCTION EQUIPMENT

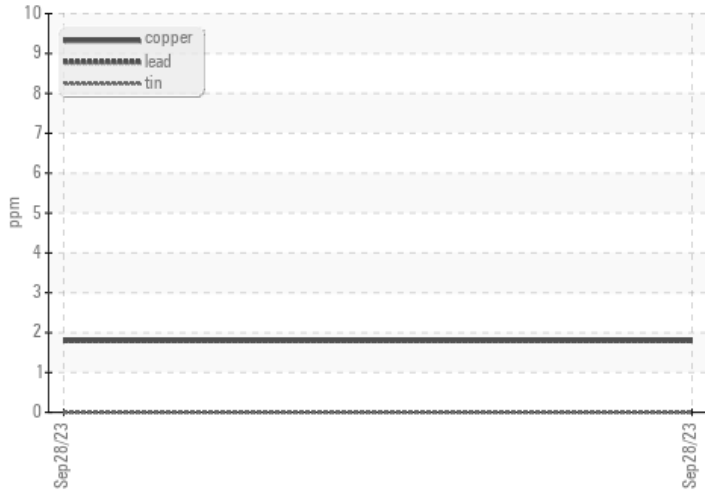


VOLVO GRAPHS

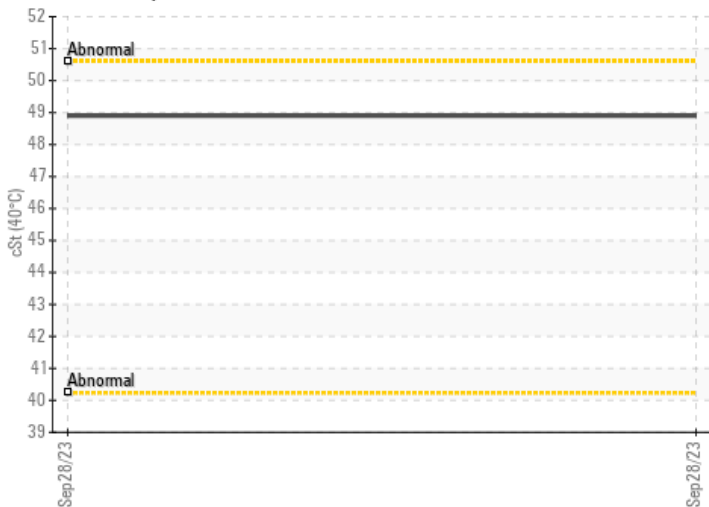
Ferrous Alloys



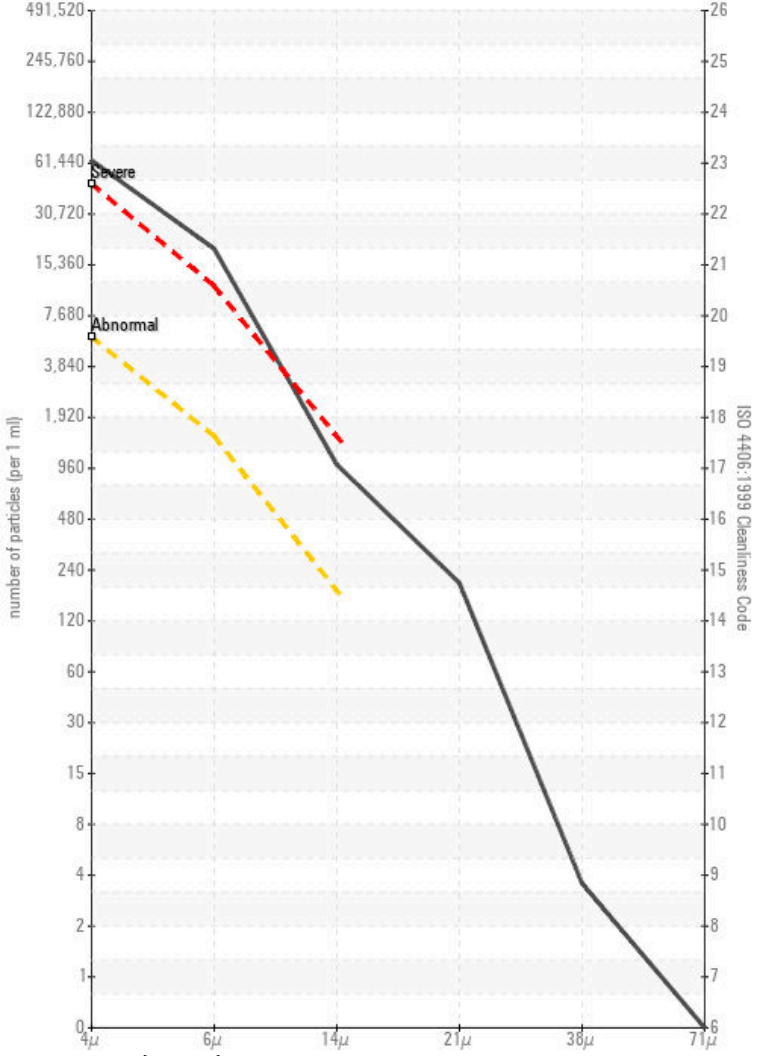
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

