



CONSTRUCTION EQUIPMENT

281732-10 GENIE GTH-844 GTH0814-19309 - HYDRAULIC SYSTEM



Sample No: VCP418940

Oil Type: NOT GIVEN

Job No: 281732-10



SAMPLE INFORMATION

Sample Number	VCP418940	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	2477	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

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 US 49685
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OIL CONDITION

Visc @ 40°C	cSt	█ 40.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---

CONTAMINATION

Particles >4µm	█ 47302	---	---	---
Particles >6µm	▲ 1696	---	---	---
Particles >14µm	█ 9	---	---	---
ISO 4406:1999 (c)	23/18/10	---	---	---
Silicon	ppm	█ 2	---	---
Sodium	ppm	█ 2	---	---
Potassium	ppm	█ <1	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. 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. We recommend you service the filters on this component. 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 silt (particulates < 14 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.

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 13	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 156	---	---	---
Magnesium	ppm	█ 25	---	---	---
Zinc	ppm	█ 470	---	---	---
Phosphorus	ppm	█ 429	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VOLVO8501
 Unique No: 10643170
 Signed: Wes Davis
 Report Date: 12 Sep 2023

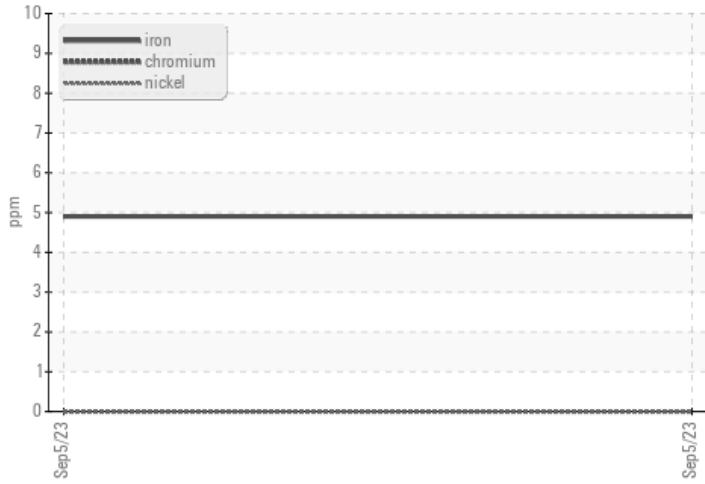


CONSTRUCTION EQUIPMENT

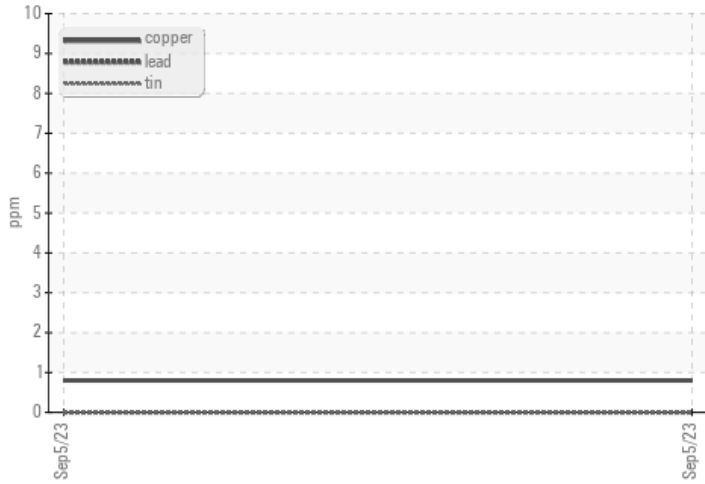


VOLVO GRAPHS

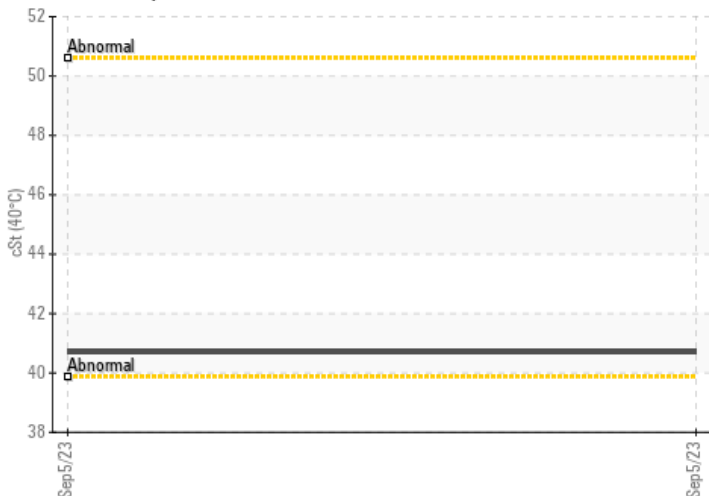
Ferrous Alloys



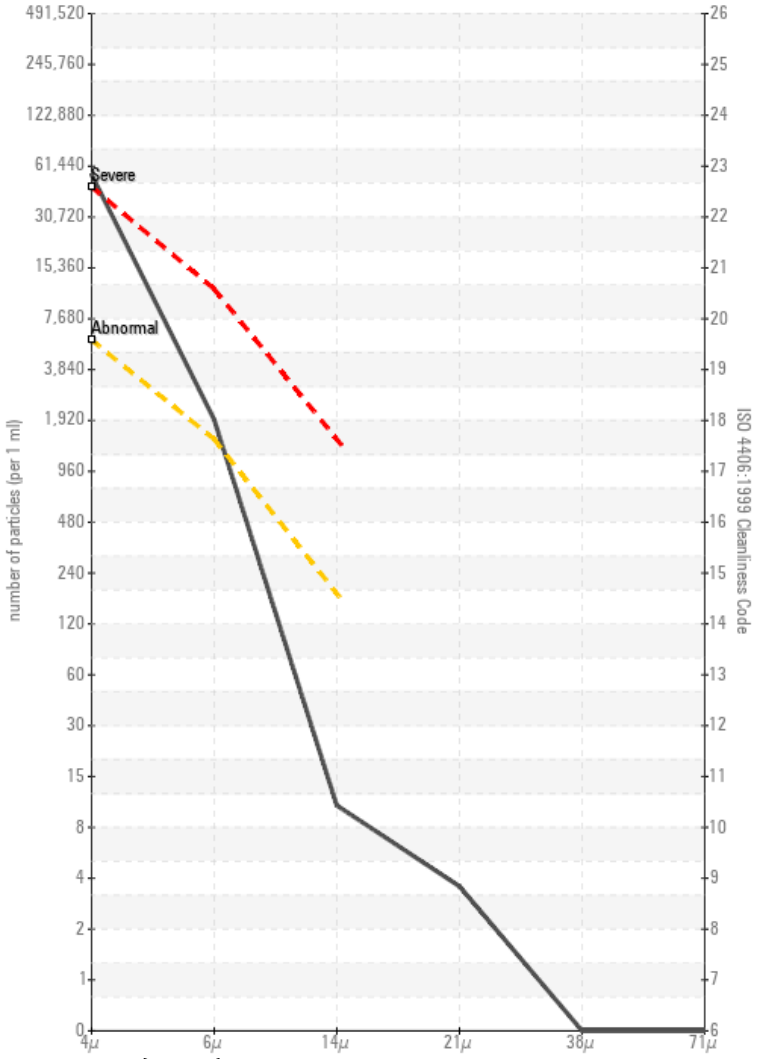
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

