



CONSTRUCTION EQUIPMENT

225089 JMK TACOMA VOLVO L90H 625422 - HYDRAULIC SYSTEM



Sample No: VCP424228
Oil Type: NOT GIVEN
Job No: 225089 JMK TACOMA



SAMPLE INFORMATION

Sample Number	VCP424228	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	11125	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

PACWEST MACHINERY

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 US 98032

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 tgustin@pacwestmachinery.com
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OIL CONDITION

Visc @ 40°C	cSt	█ 45.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.48	---	---	---



CONTAMINATION

Particles >4µm		█ 34814	---	---	---
Particles >6µm		▲ 12374	---	---	---
Particles >14µm		● 1123	---	---	---
ISO 4406:1999 (c)		22/21/17	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	59	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	435	---	---	---
Phosphorus	ppm	377	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	0	---	---	---

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. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 10W AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand 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: VOLVO1271
Unique No: 10618742
Signed: Wes Davis
Report Date: 28 Aug 2023

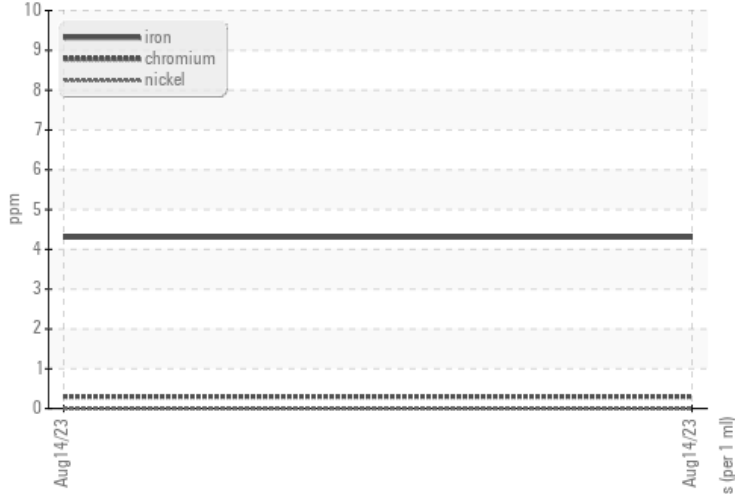


CONSTRUCTION EQUIPMENT

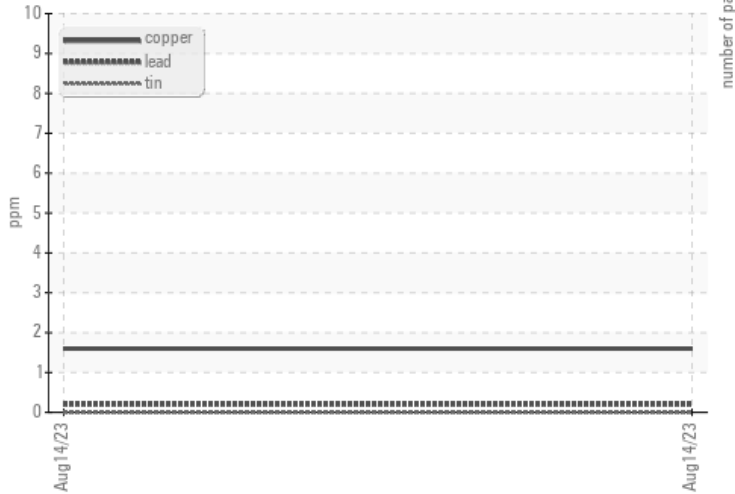


GRAPHS

Ferrous Alloys



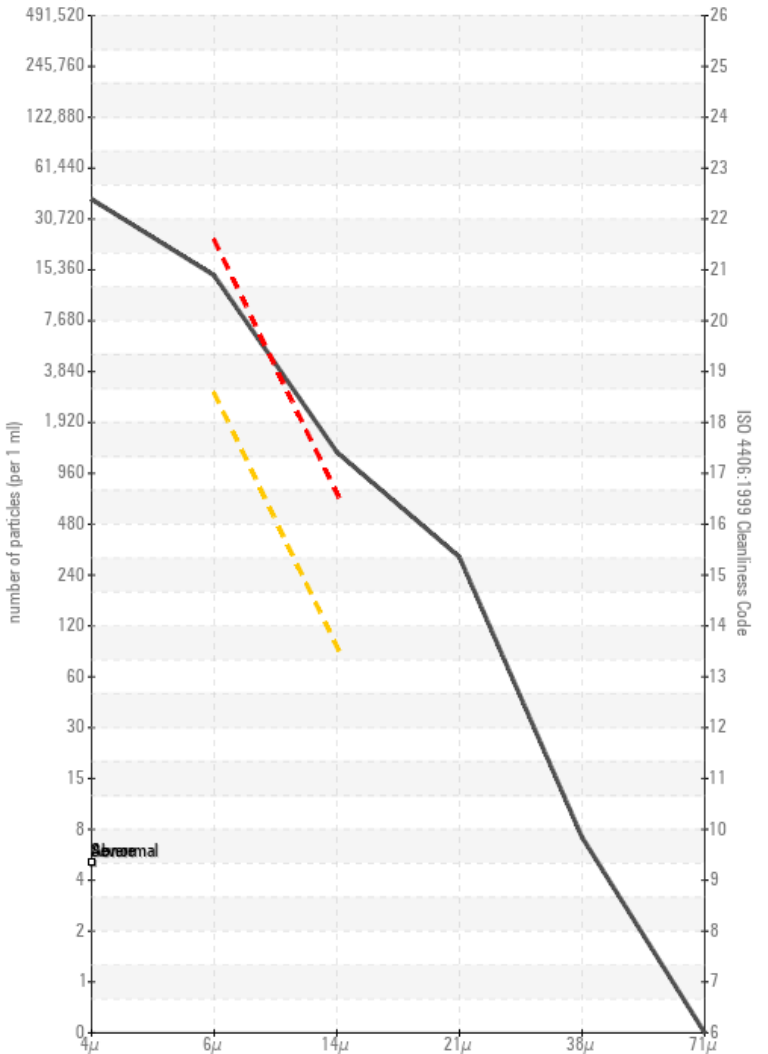
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

