



CONSTRUCTION EQUIPMENT

377609 TITAN AMERICA VOLVO L90H 626197 - HYDRAULIC SYSTEM



Sample No: VCP431766
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 377609 TITAN AMERICA



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP431766	---	---	---
Sample Date	05 Oct 2023	---	---	---
Machine Hours	4129	---	---	---
Oil Hours	4129	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 42.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.32	---	---	---



CONTAMINATION

Particles >4µm		▲ 14312	---	---	---
Particles >6µm		■ 814	---	---	---
Particles >14µm		■ 11	---	---	---
ISO 4406:1999 (c)		21/17/11	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 82	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 442	---	---	---
Phosphorus	ppm	■ 338	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate 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.

Depot: VOLVO0093
Unique No: 10737956
Signed: Wes Davis
Report Date: 13 Nov 2023

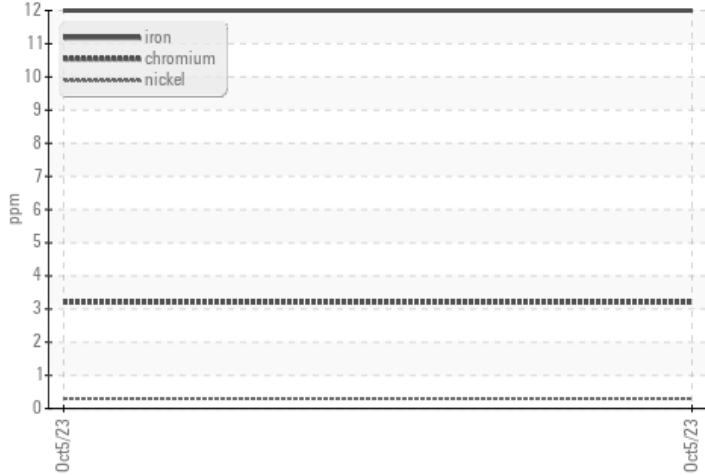


CONSTRUCTION EQUIPMENT

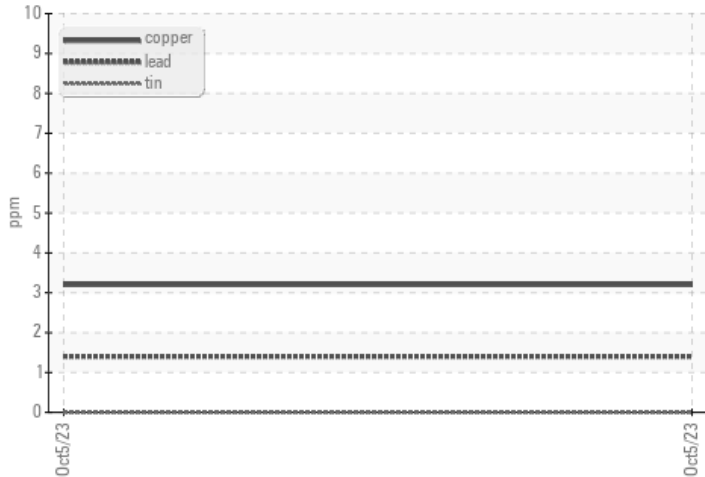


GRAPHS

Ferrous Alloys



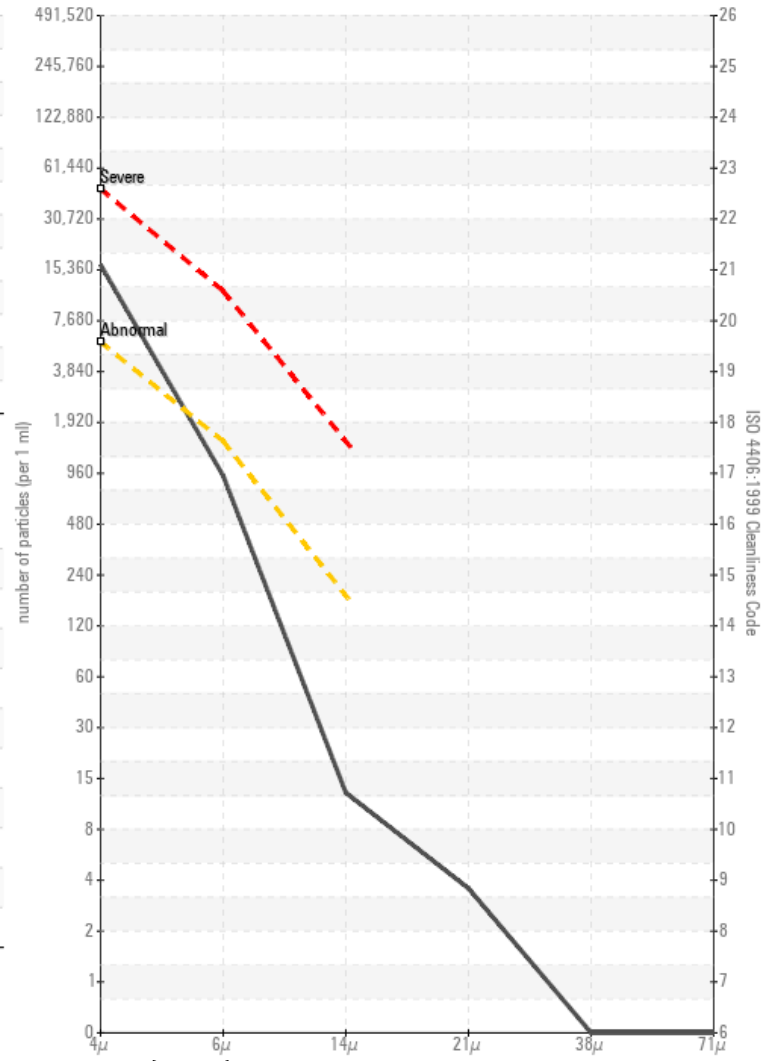
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

