



CONSTRUCTION EQUIPMENT

633493 VOLVO A45G 353505 - HYDRAULIC SYSTEM



Sample No: VCP435107
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 633493



SAMPLE INFORMATION

Sample Number	VCP435107	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	1583	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
 michael.beebe@ocfl.net
 T: (407)836-6652
 F: (407)836-6650



OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



CONTAMINATION

Particles >4µm		█ 1563	---	---	---
Particles >6µm		█ 162	---	---	---
Particles >14µm		█ 11	---	---	---
ISO 4406:1999 (c)		█ 18/15/11	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 66	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 371	---	---	---
Phosphorus	ppm	█ 292	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: ORAORL
Unique No: 10741376
Signed: Wes Davis
Report Date: 15 Nov 2023

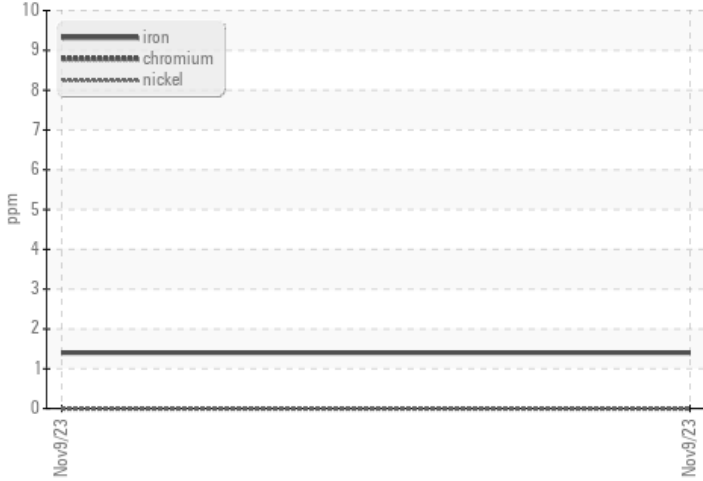


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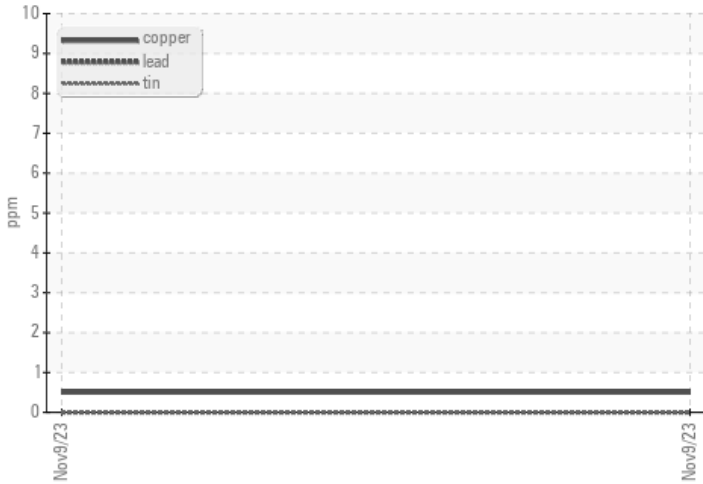


GRAPHS

Ferrous Alloys



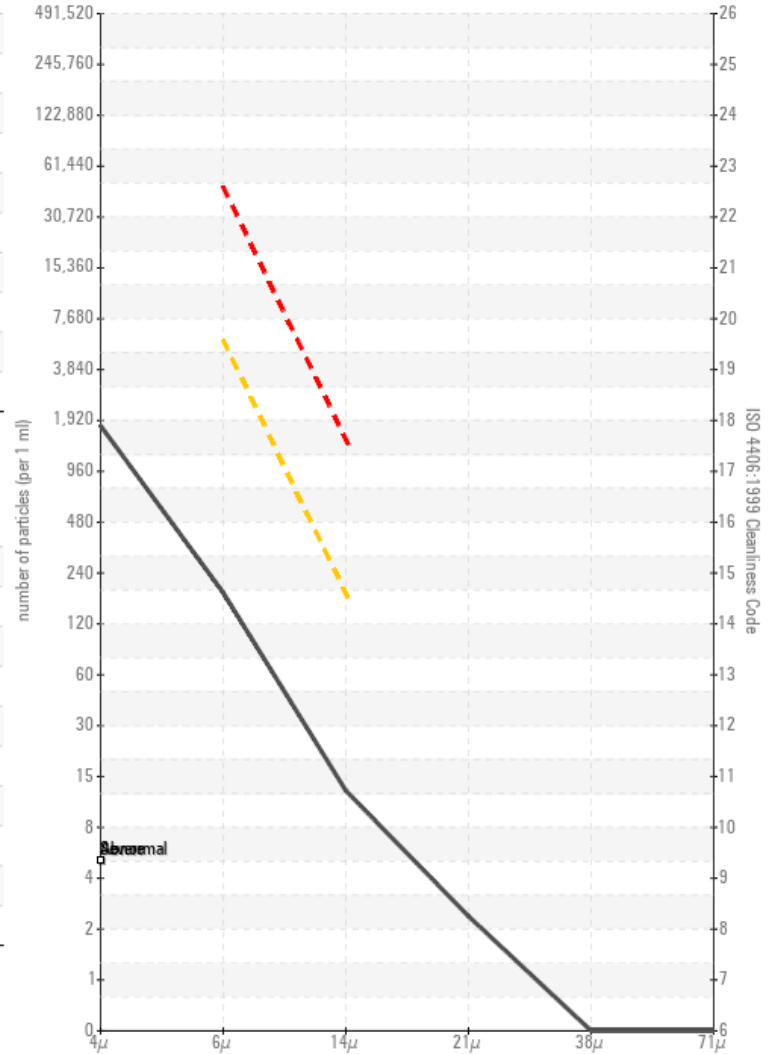
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

