



CONSTRUCTION EQUIPMENT

12252 VOLVO A45G 353036 - HYDRAULIC SYSTEM



Sample No: VCP437386
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 12252



SAMPLE INFORMATION

Sample Number	VCP437386	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	1856	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
 jim.fehr@hoffmanequip.com
 T: (610)363-9200
 F: (610)594-0829

OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		45868	---	---	---
Particles >6µm		7995	---	---	---
Particles >14µm		315	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis
 The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	481	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 728	---	---	---
Phosphorus	ppm	█ 578	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VOLVO8879
Unique No: 11021454
Signed: Wes Davis
Report Date: 13 May 2024

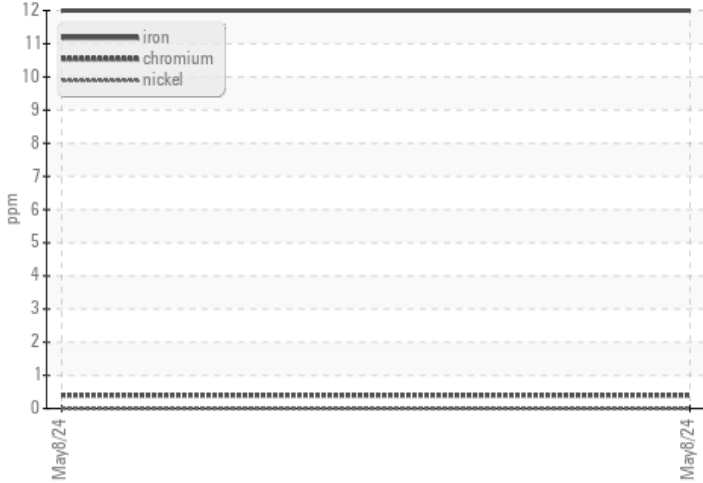


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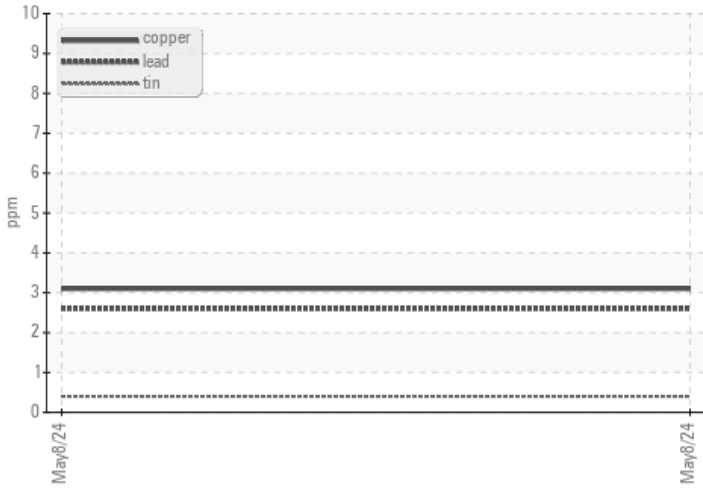


GRAPHS

Ferrous Alloys



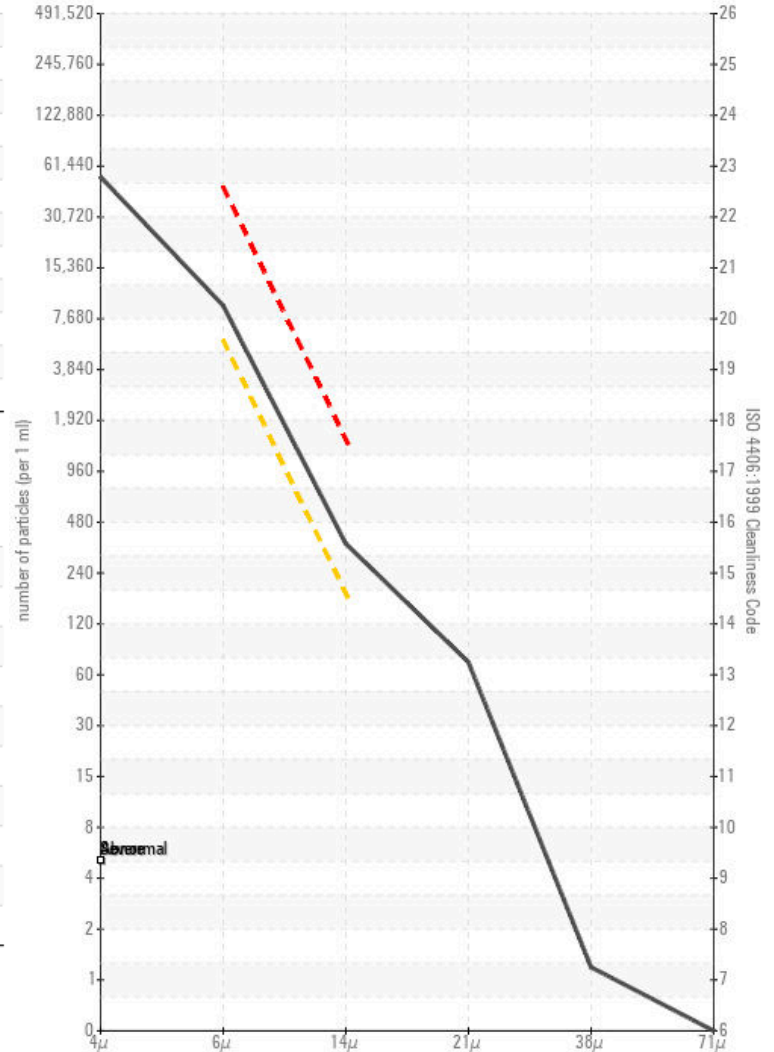
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

