



CONSTRUCTION EQUIPMENT

689395 VOLVO A40G 353159 - HYDRAULIC SYSTEM



Sample No: VCP455113
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 689395



SAMPLE INFORMATION

Sample Number	VCP455113	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	2692	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---

T: (407)215-0410
 F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 17254	---	---	---
Particles >6µm		█ 4710	---	---	---
Particles >14µm		▲ 346	---	---	---
ISO 4406:1999 (c)		21/19/16	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	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.



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
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	█ 76	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 436	---	---	---
Phosphorus	ppm	█ 323	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: JONLON
Unique No: 10994442
Signed: Wes Davis
Report Date: 25 Apr 2024

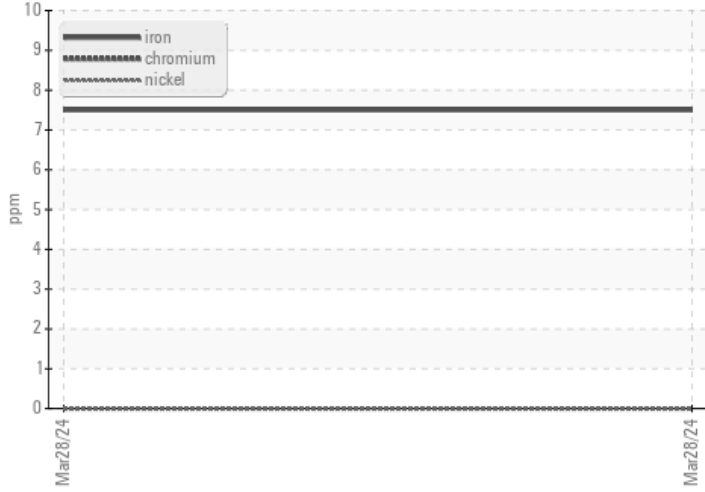


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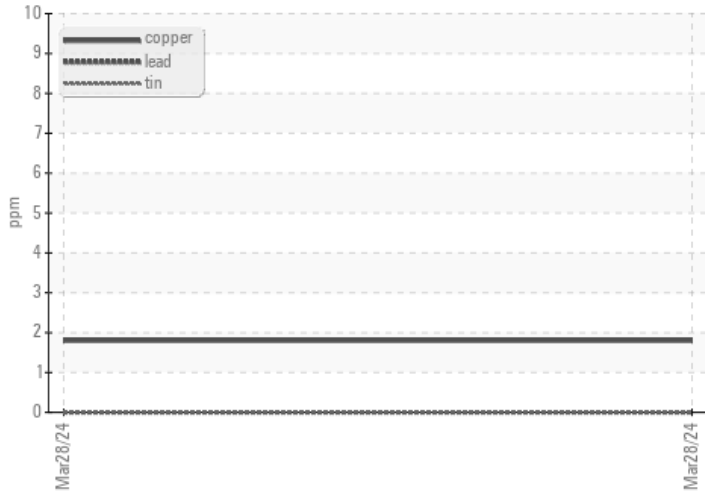


GRAPHS

Ferrous Alloys



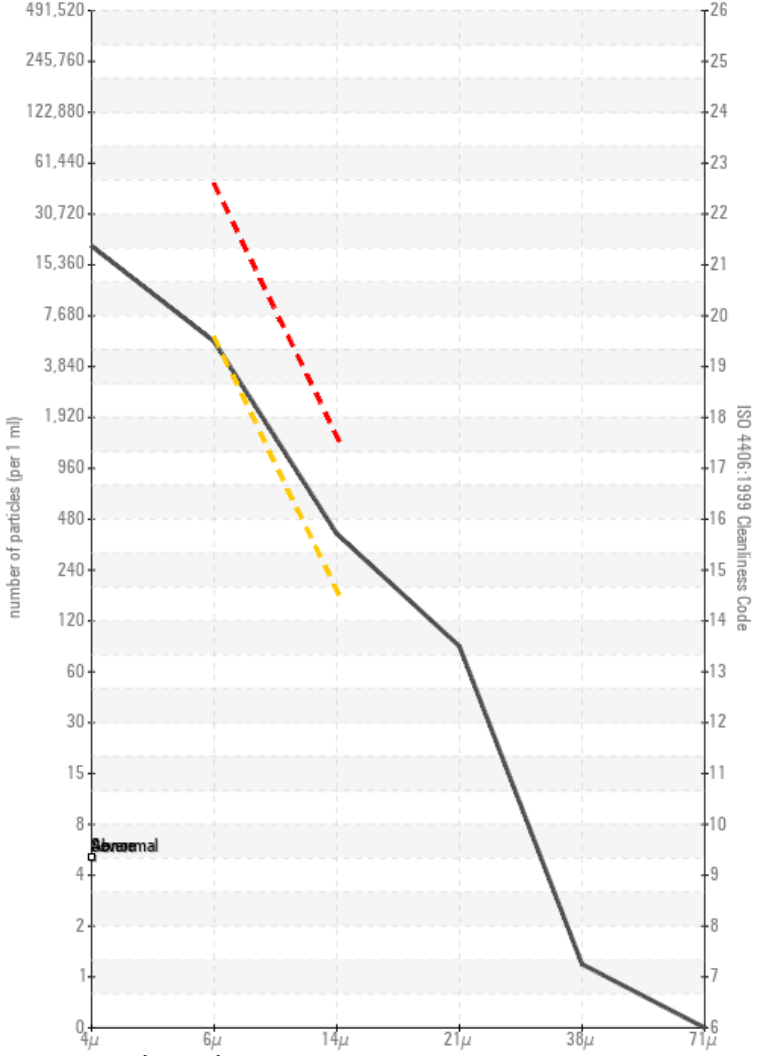
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

