



CONSTRUCTION EQUIPMENT

687399 VOLVO ECR145 3 14342 - HYDRAULIC SYSTEM



Sample No: VCP438368
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 687399



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SAMPLE INFORMATION

Sample Number	VCP438368	---	---	---
Sample Date	09 Mar 2024	---	---	---
Machine Hours	2244	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 46.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.59	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8490	---	---	---
Particles >6µm		█ 1395	---	---	---
Particles >14µm		█ 58	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 557	---	---	---
Magnesium	ppm	█ 33	---	---	---
Zinc	ppm	█ 515	---	---	---
Phosphorus	ppm	█ 428	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 28	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10941182
Signed: Don Baldrige
Report Date: 26 Mar 2024

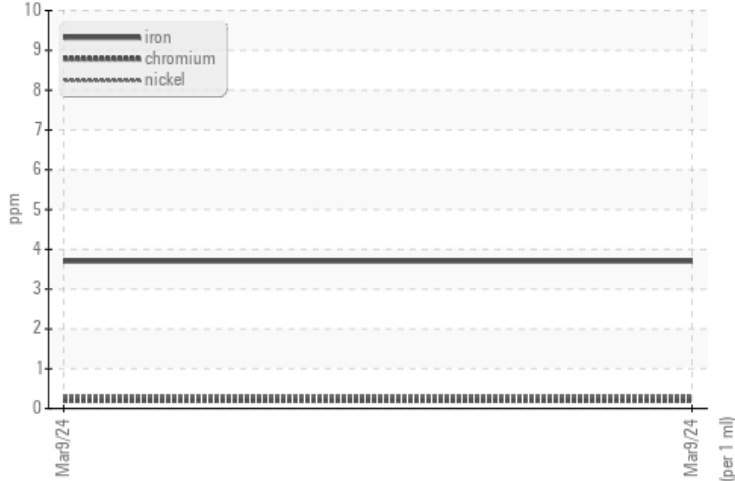


CONSTRUCTION EQUIPMENT

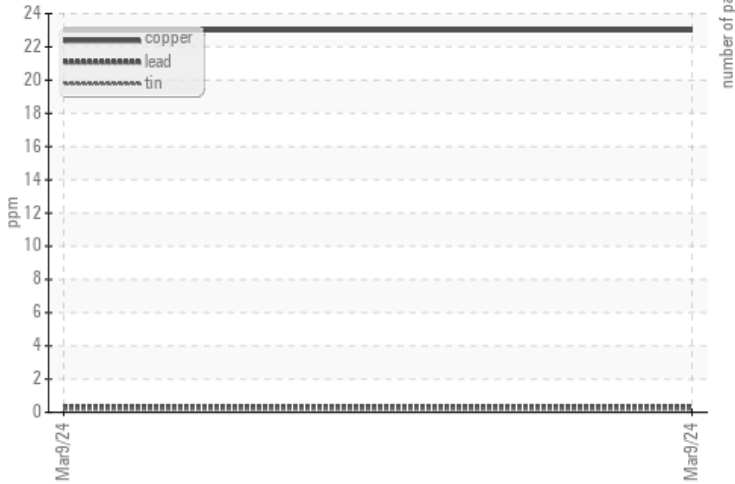


VOLVO GRAPHS

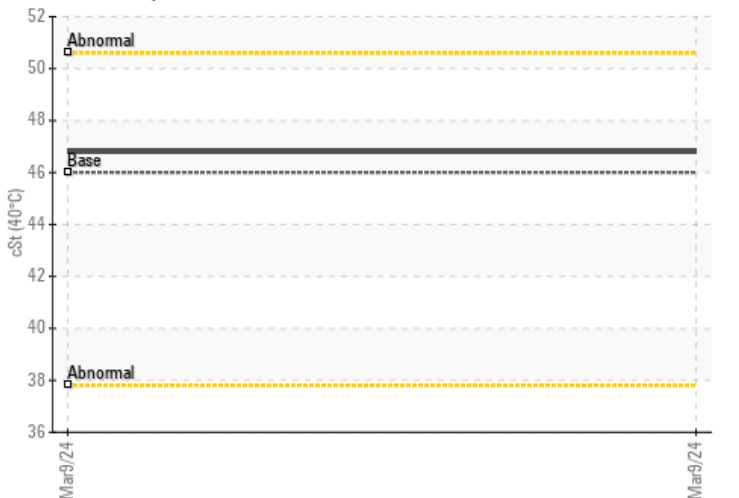
Ferrous Alloys



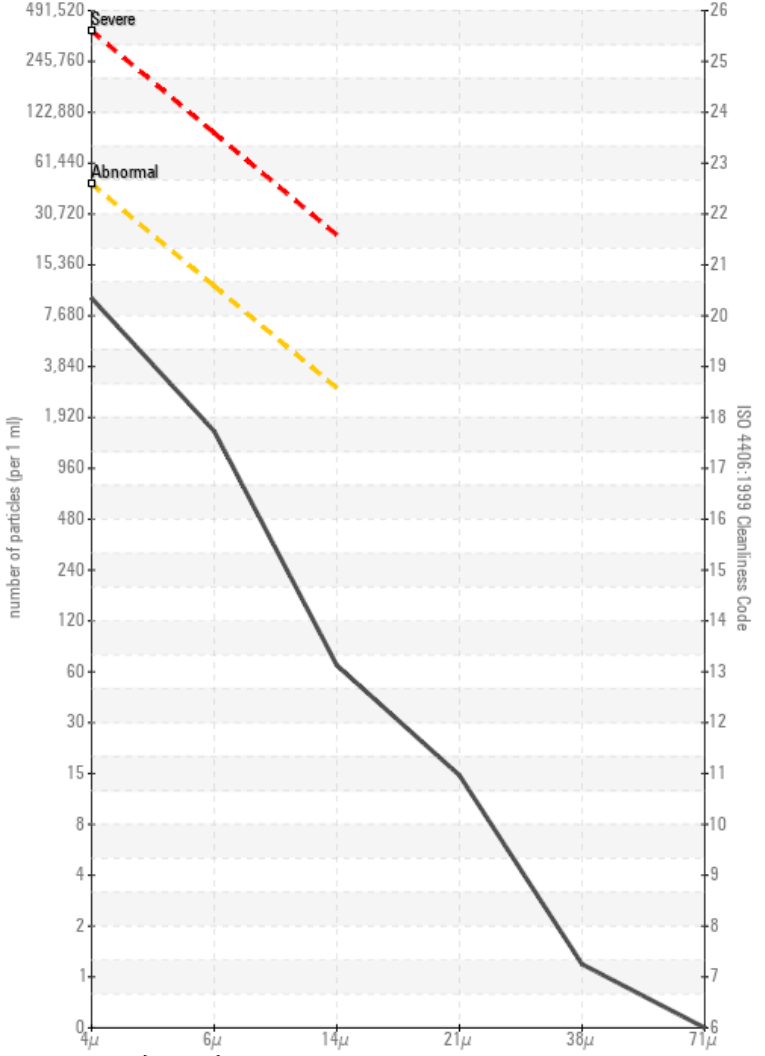
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

