



CONSTRUCTION EQUIPMENT

687353 ANSBRO VOLVO EC380 3 14835 - HYDRAULIC SYSTEM



Sample No: VCP444136
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 687353 ANSBRO



SAMPLE INFORMATION

Sample Number	VCP444136	VCP365199	---	---
Sample Date	11 Mar 2024	16 Oct 2023	---	---
Machine Hours	1288	650	---	---
Oil Hours	1288	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.7	42.3	---	---
Acid Number (AN)	mg KOH/g	0.48	0.43	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		10031	11457	---	---
Particles >6µm		3057	1245	---	---
Particles >14µm		211	93	---	---
ISO 4406:1999 (c)		21/19/15	21/17/14	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	<1	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	5	2	---	---
Copper	ppm	29	26	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	66	65	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	433	434	---	---
Phosphorus	ppm	377	374	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10975884
Signed: Wes Davis
Report Date: 12 Apr 2024

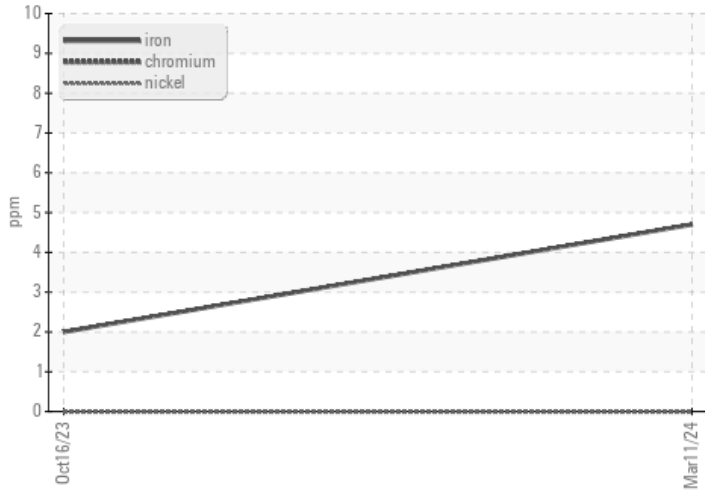


CONSTRUCTION EQUIPMENT

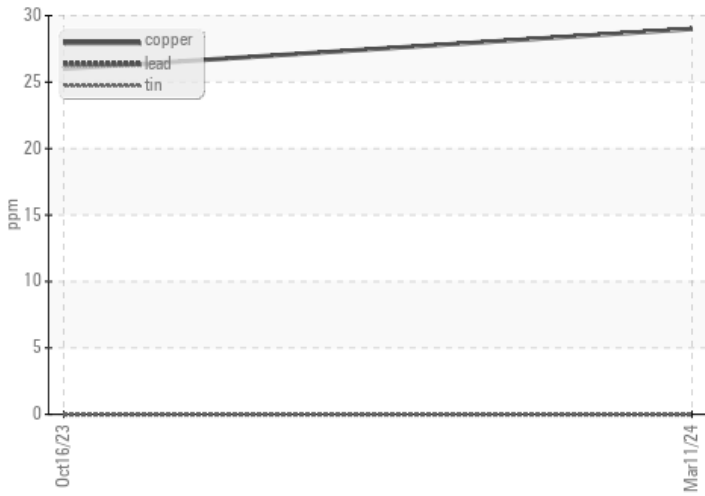


GRAPHS

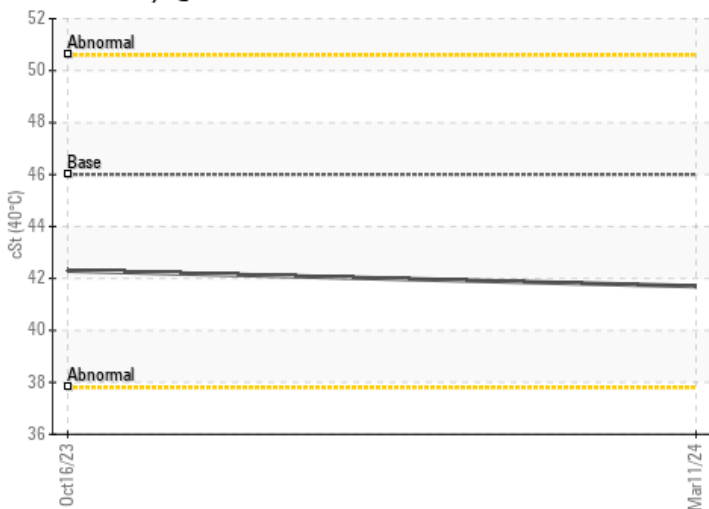
Ferrous Alloys



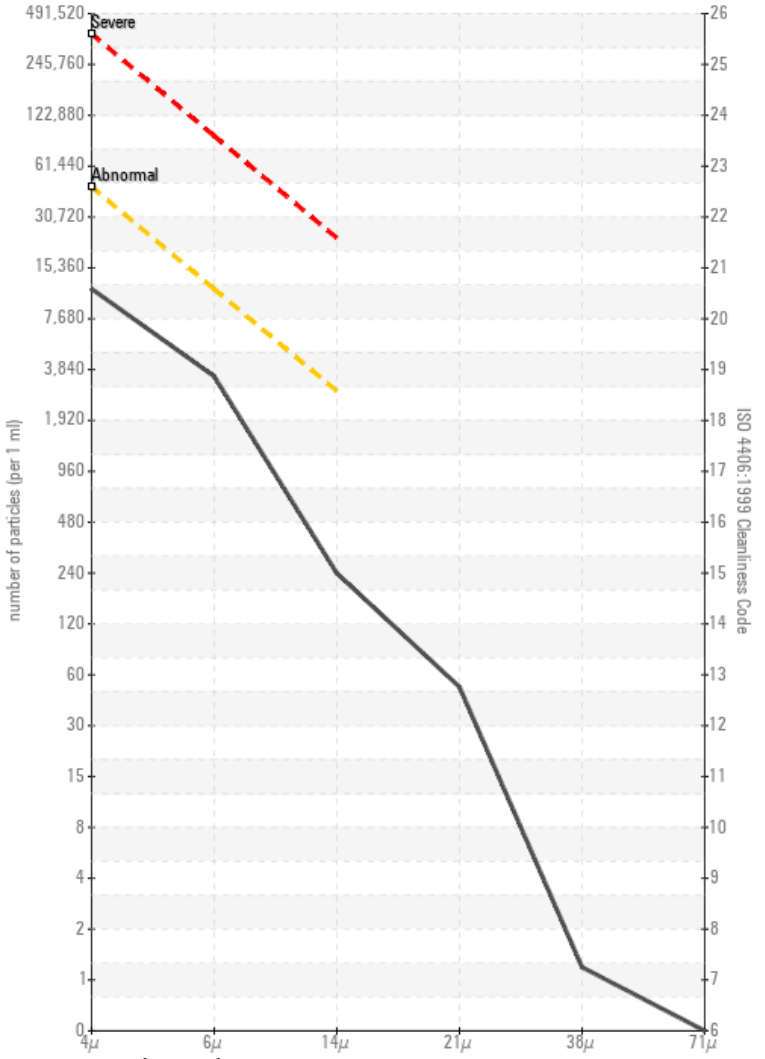
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

