



CONSTRUCTION EQUIPMENT

WIRE TRACK(?) RECYCL VOLVO EC300 3 10 153 - HYDRAULIC SYSTEM



Sample No: VCP447473
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: WIRE TRACK(?) RECYCL



SAMPLE INFORMATION

Sample Number	VCP447473	VCP414648	VCP377789	---
Sample Date	21 Mar 2024	04 Oct 2023	01 Aug 2022	---
Machine Hours	5897	5303	3343	---
Oil Hours	0	2300	1500	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	39.7	39.0	46.5	---
Acid Number (AN)	mg KOH/g	0.45	0.27	0.43	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2456	11634	30224	---
Particles >6µm		788	948	1413	---
Particles >14µm		88	47	35	---
ISO 4406:1999 (c)		18/17/14	21/17/13	22/18/12	---
Silicon	ppm	5	9	12	---
Sodium	ppm	3	2	0	---
Potassium	ppm	2	2	<1	---

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	9	12	8	---
Copper	ppm	12	23	36	---
Lead	ppm	0	1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	<1	2	<1	---
Molybdenum	ppm	3	<1	2	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	93	100	131	---
Magnesium	ppm	6	10	10	---
Zinc	ppm	389	463	503	---
Phosphorus	ppm	324	355	391	---
Barium	ppm	<1	0	0	---
Boron	ppm	<1	0	4	---

Depot: VOLVO0093
Unique No: 11044330
Signed: Wes Davis
Report Date: 23 May 2024

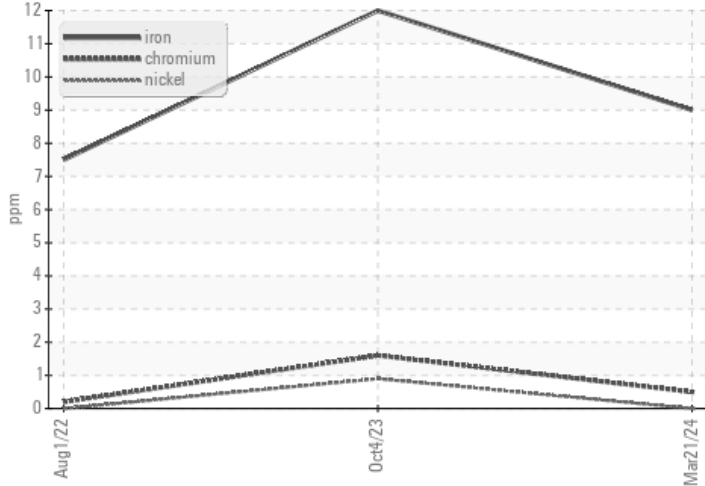


CONSTRUCTION EQUIPMENT

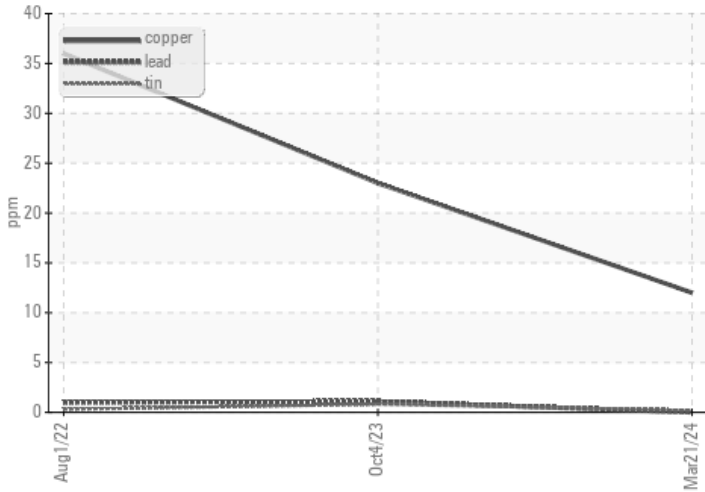


VOLVO GRAPHS

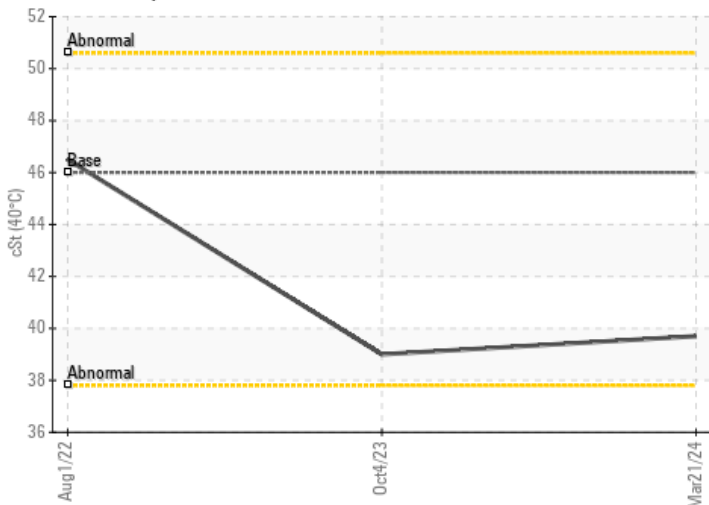
Ferrous Alloys



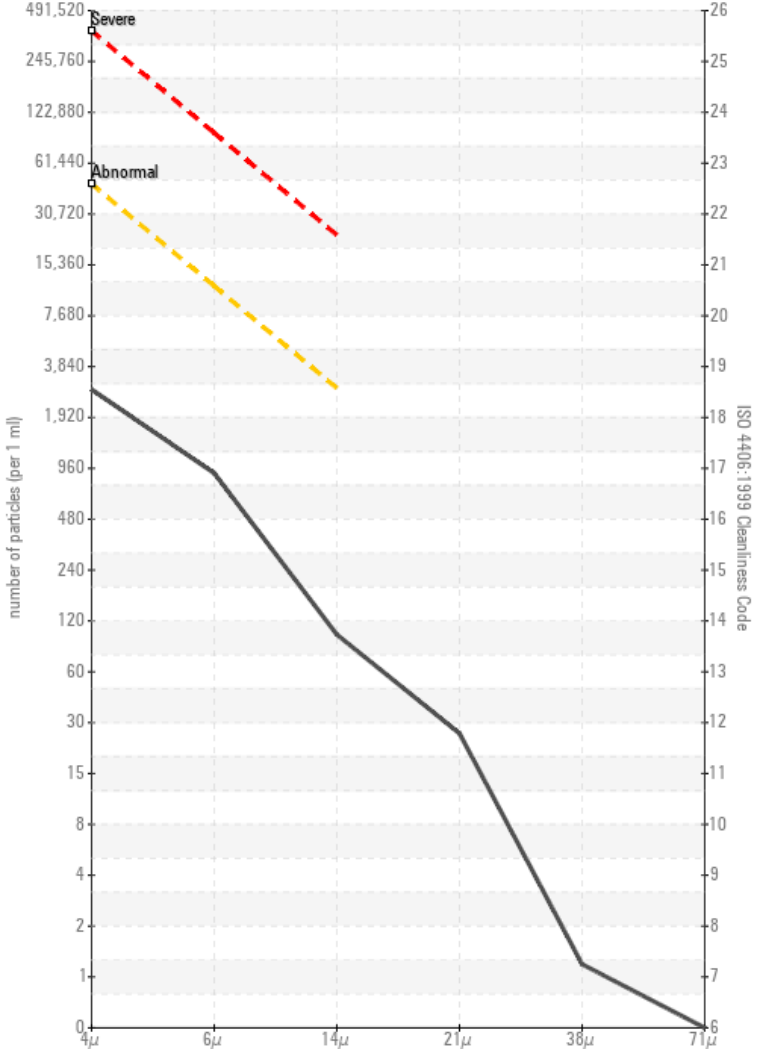
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

