



CONSTRUCTION EQUIPMENT

SWA243701-10 VOLVO EC350E 314471 - HYDRAULIC SYSTEM



Sample No: VCP390620
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA243701-10



SAMPLE INFORMATION

Sample Number	VCP390620	VCP385652	---	---
Sample Date	09 May 2023	06 Dec 2022	---	---
Machine Hours	1001	577	---	---
Oil Hours	1001	577	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

CALLANAN INDUSTRIES
 93 SULLIVAN RD
 MONTICELLO, NY
 US 12701
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.6	43.2	---	---
Acid Number (AN)	mg KOH/g	0.61	0.55	---	---

T:
F:



CONTAMINATION

Particles >4µm		12509	22295	---	---
Particles >6µm		1638	1430	---	---
Particles >14µm		68	33	---	---
ISO 4406:1999 (c)		21/18/13	22/18/12	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	2	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	3	3	---	---
Copper	ppm	15	15	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	2	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	881	427	---	---
Magnesium	ppm	28	10	---	---
Zinc	ppm	740	588	---	---
Phosphorus	ppm	549	433	---	---
Barium	ppm	2	0	---	---
Boron	ppm	11	3	---	---

Depot: CALMONNY
Unique No: 10469551
Signed: Wes Davis
Report Date: 15 May 2023

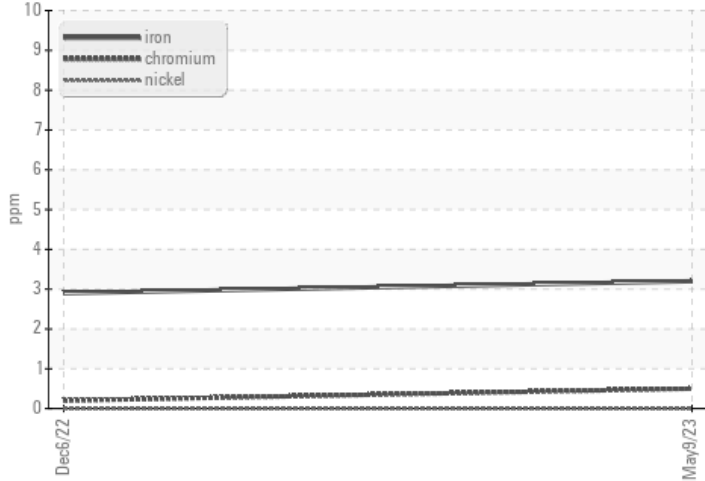


CONSTRUCTION EQUIPMENT

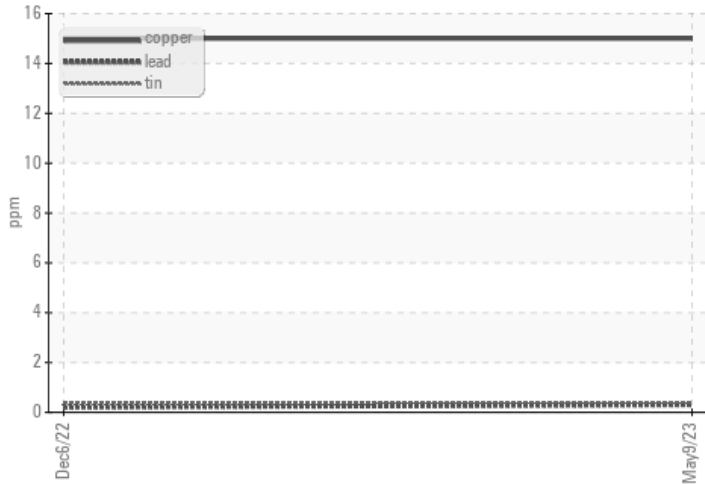


VOLVO GRAPHS

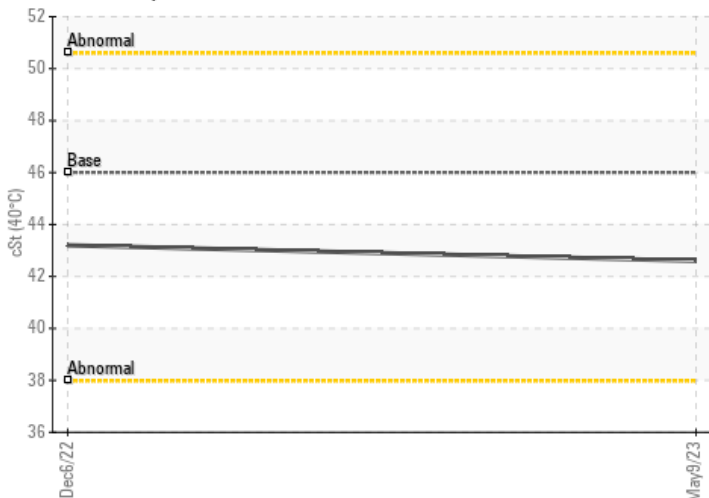
Ferrous Alloys



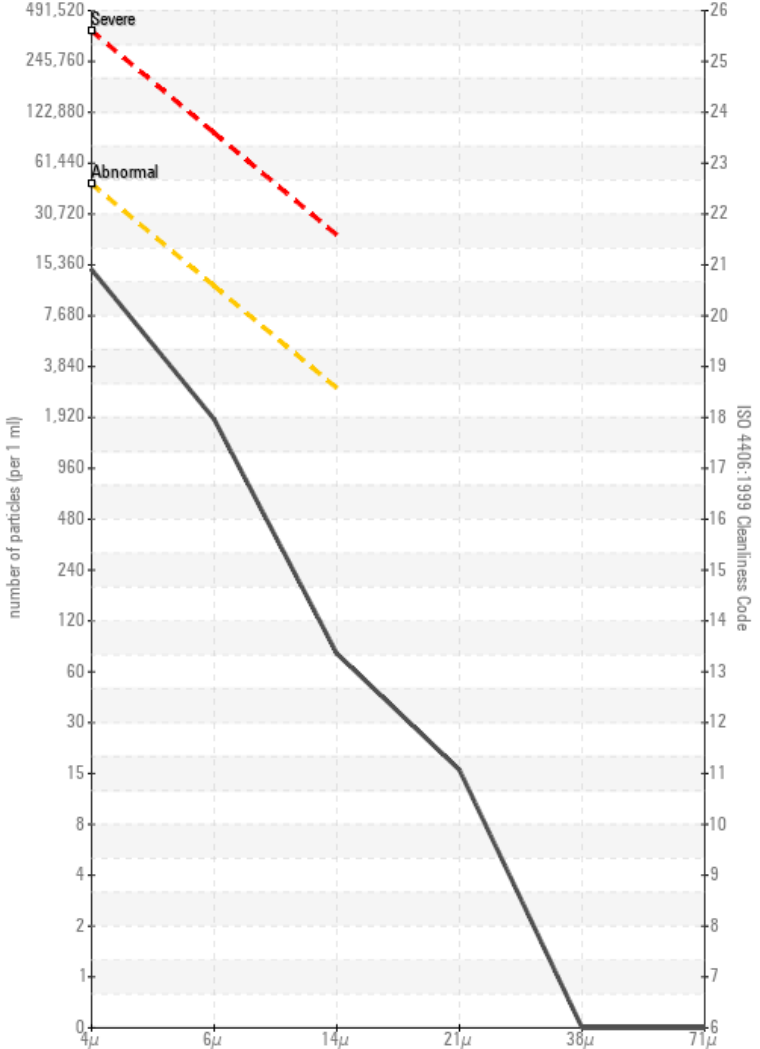
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

