



CONSTRUCTION EQUIPMENT

SWA329522 VOLVO EC350E 314471 - HYDRAULIC SYSTEM



Sample No: VCP434829
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA329522



SAMPLE INFORMATION

Sample Number	VCP434829	VCP390620	VCP385652	---
Sample Date	19 Aug 2023	09 May 2023	06 Dec 2022	---
Machine Hours	1649	1001	577	---
Oil Hours	0	1001	577	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 40°C	cSt	41.3	42.6	43.2	---
Acid Number (AN)	mg KOH/g	0.99	0.61	0.55	---

T:
F:



CONTAMINATION

Particles >4µm	83289	12509	22295	---	
Particles >6µm	16883	1638	1430	---	
Particles >14µm	1359	68	33	---	
ISO 4406:1999 (c)	24/21/18	21/18/13	22/18/12	---	
Silicon	ppm	8	4	3	---
Sodium	ppm	<1	0	<1	---
Potassium	ppm	0	2	0	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	8	3	3	---
Copper	ppm	16	15	15	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	0	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	4	2	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	2	2	1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1937	881	427	---
Magnesium	ppm	66	28	10	---
Zinc	ppm	967	740	588	---
Phosphorus	ppm	739	549	433	---
Barium	ppm	0	2	0	---
Boron	ppm	54	11	3	---

Depot: CALMONNY
Unique No: 10617365
Signed: Don Baldrige
Report Date: 24 Aug 2023

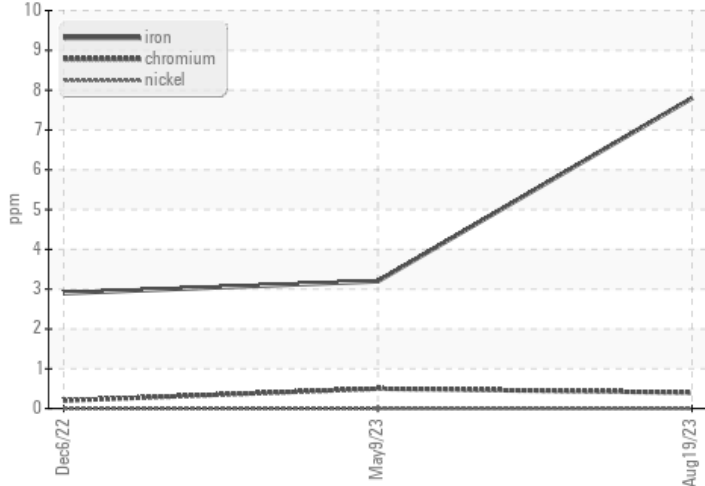


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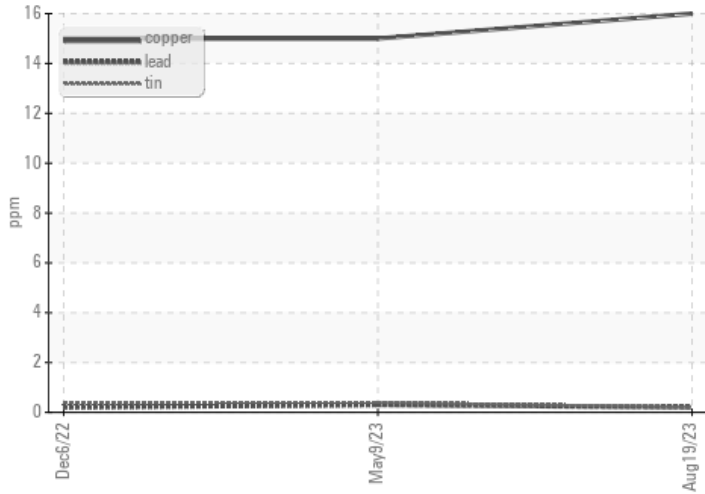


GRAPHS

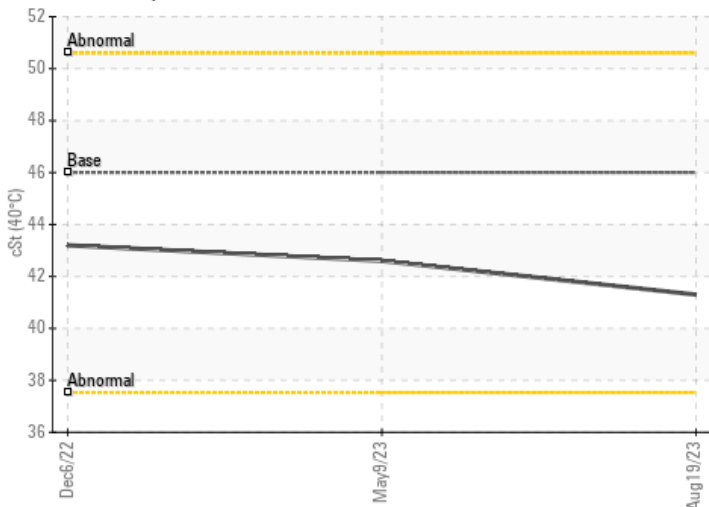
Ferrous Alloys



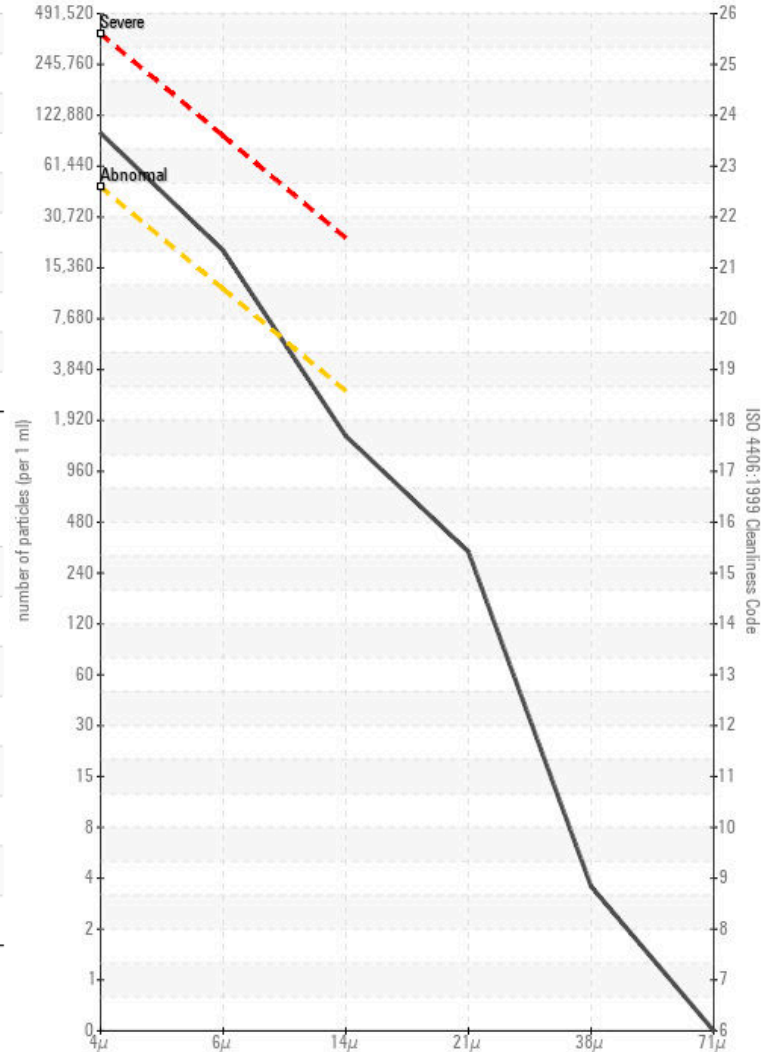
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

