



CONSTRUCTION EQUIPMENT

SPM701622 RENTAL VOLVO EC750E 314147 - HYDRAULIC SYSTEM



Sample No: VCP367132
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM701622 RENTAL



SAMPLE INFORMATION

Sample Number	VCP367132	VCP399760	VCP387210	---
Sample Date	15 Apr 2024	29 Apr 2023	15 Sep 2022	---
Machine Hours	2228	1122	635	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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 F:



OIL CONDITION

Visc @ 40°C	cSt	40.9	41.6	42.4	---
Acid Number (AN)	mg KOH/g	0.54	0.42	0.42	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		60808	---	124937	---
Particles >6µm		8990	---	43249	---
Particles >14µm		220	---	3998	---
ISO 4406:1999 (c)		23/20/15	---	24/23/19	---
Silicon	ppm	1	<1	<1	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	<1	1	0	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	2	3	2	---
Copper	ppm	13	14	10	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	89	90	89	---
Magnesium	ppm	1	<1	0	---
Zinc	ppm	531	540	526	---
Phosphorus	ppm	450	401	417	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO8885
Unique No: 11017149
Signed: Don Baldrige
Report Date: 08 May 2024

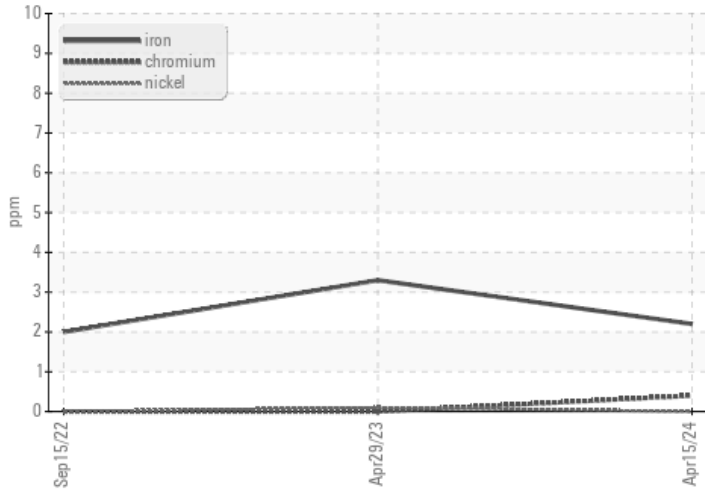


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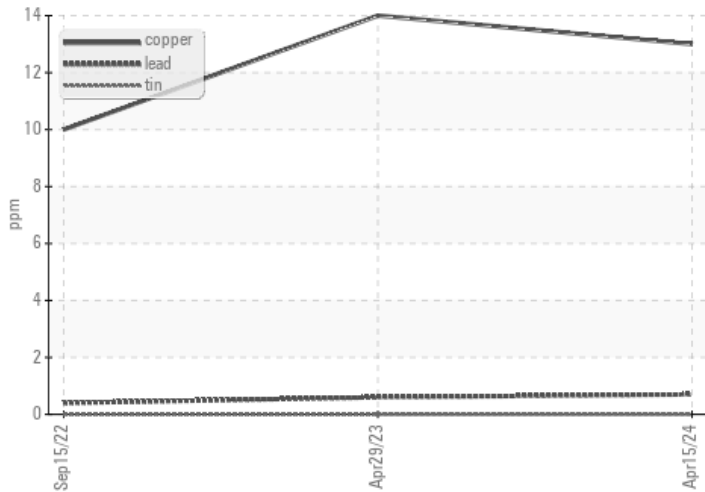


GRAPHS

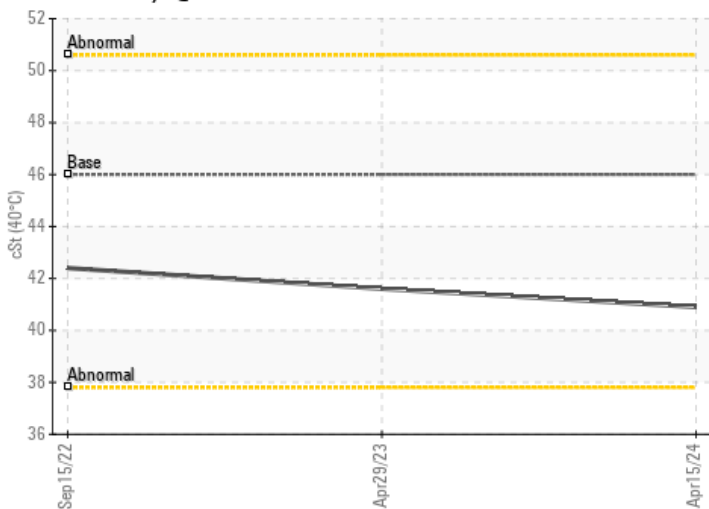
Ferrous Alloys



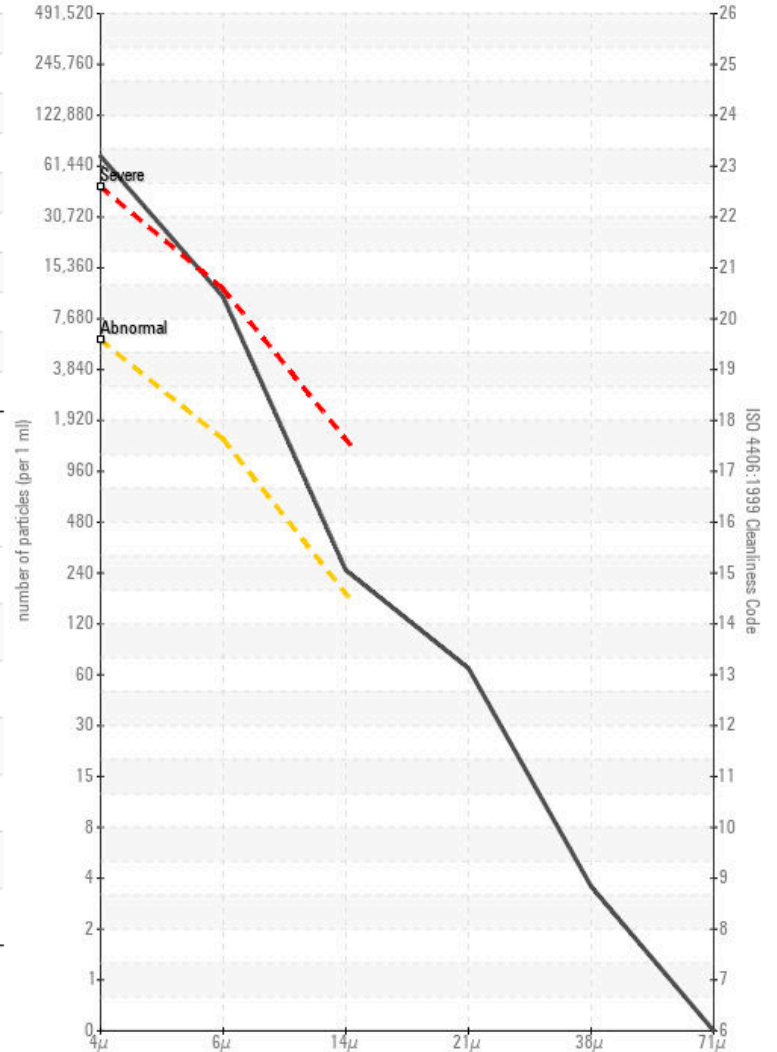
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

