



CONSTRUCTION EQUIPMENT

SWA56682-110 VOLVO EC750EL 314116 - HYDRAULIC SYSTEM



Sample No: VCP436199
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA56682-110



SAMPLE INFORMATION

Sample Number	VCP436199	VCP408634	---	---
Sample Date	29 May 2024	16 May 2023	---	---
Machine Hours	3425	2900	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	40.1	43.0	---	---
Acid Number (AN)	mg KOH/g	0.44	0.45	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 106430	● 50313	---	---
Particles >6µm		● 18348	■ 6078	---	---
Particles >14µm		■ 511	■ 46	---	---
ISO 4406:1999 (c)		24/21/16	23/20/13	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	0	1	---	---

Diagnosis

No corrective action is recommended at this time. The 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 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	2	5	---	---
Copper	ppm	15	16	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	112	55	---	---
Magnesium	ppm	5	5	---	---
Zinc	ppm	448	430	---	---
Phosphorus	ppm	381	382	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 11059689
Signed: Don Baldrige
Report Date: 04 Jun 2024

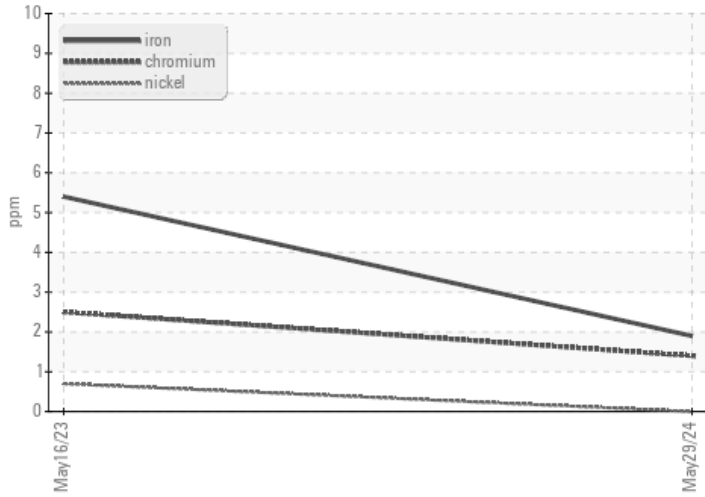


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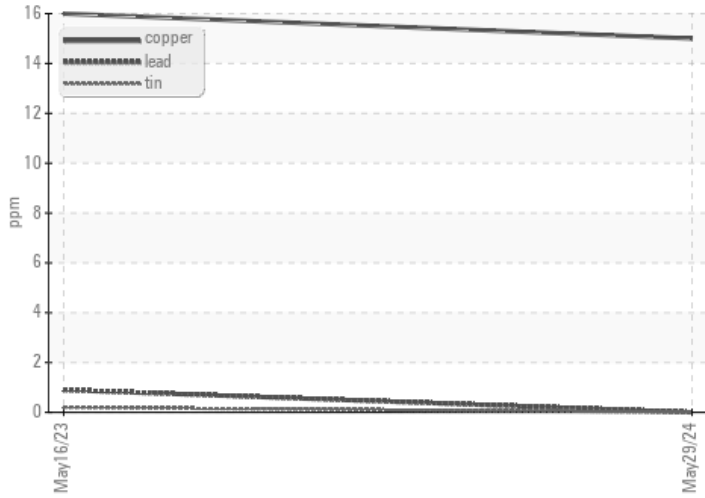


GRAPHS

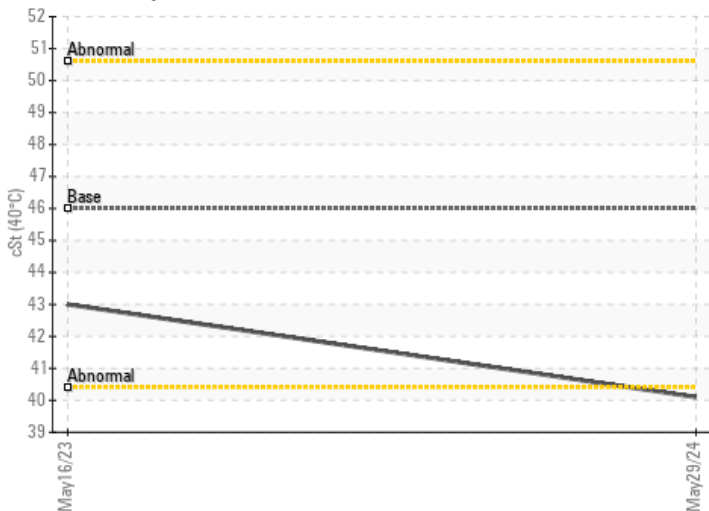
Ferrous Alloys



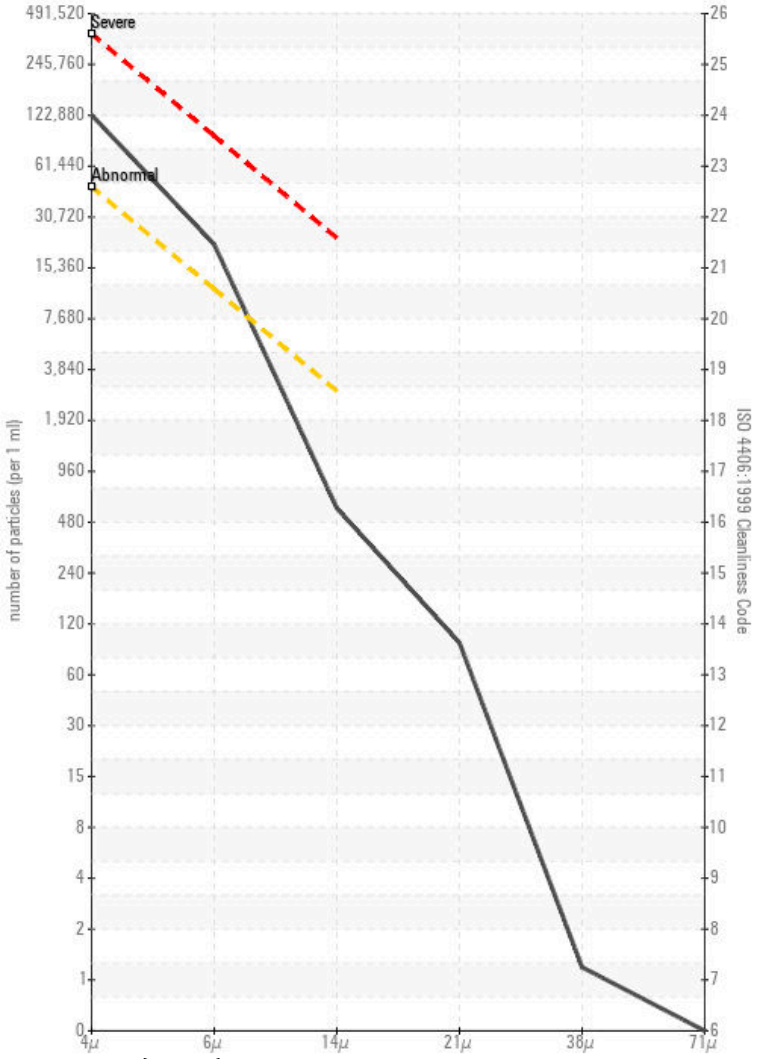
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

