



CONSTRUCTION EQUIPMENT

702890 APTIM VOLVO A35G 340109 - HYDRAULIC SYSTEM



Sample No: VCP444182
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 702890 APTIM



SAMPLE INFORMATION

Sample Number	VCP444182	VCP424462	VCP423683	---
Sample Date	29 Apr 2024	11 Jul 2023	16 Mar 2023	---
Machine Hours	9978	8937	8480	---
Oil Hours	2000	4000	3000	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	42.1	41.7	41.5	---
Acid Number (AN)	mg KOH/g	0.62	0.52	0.42	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2138	8013	4135	---
Particles >6µm		431	2328	1032	---
Particles >14µm		42	177	76	---
ISO 4406:1999 (c)		18/16/13	20/18/15	19/17/13	---
Silicon	ppm	5	6	6	---
Sodium	ppm	2	0	3	---
Potassium	ppm	3	4	2	---

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	8	11	11	---
Copper	ppm	4	6	5	---
Lead	ppm	4	4	4	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	2	4	4	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	260	325	310	---
Magnesium	ppm	16	23	31	---
Zinc	ppm	471	450	449	---
Phosphorus	ppm	374	356	377	---
Barium	ppm	1	1	0	---
Boron	ppm	5	8	8	---

Depot: VOLVO0093
Unique No: 11057477
Signed: Wes Davis
Report Date: 31 May 2024

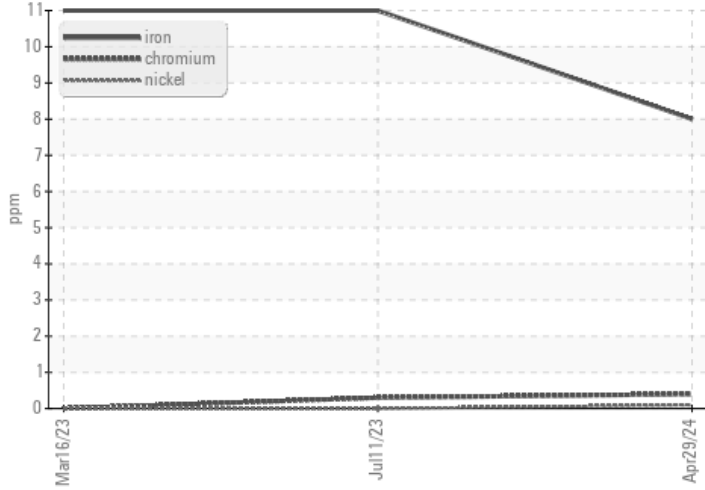


CONSTRUCTION EQUIPMENT

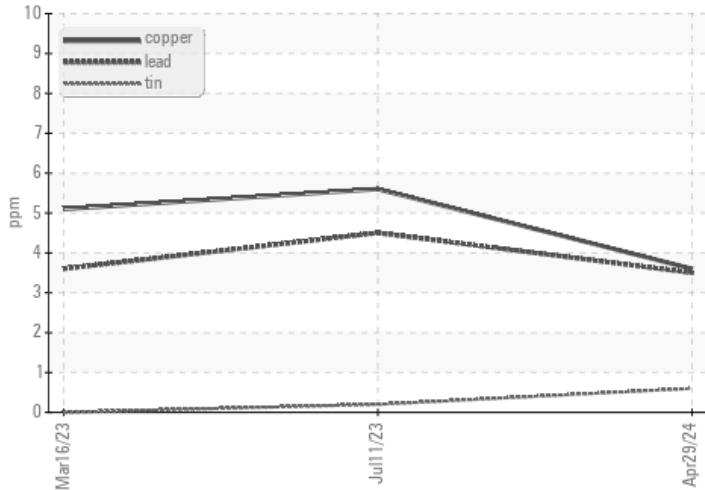


VOLVO GRAPHS

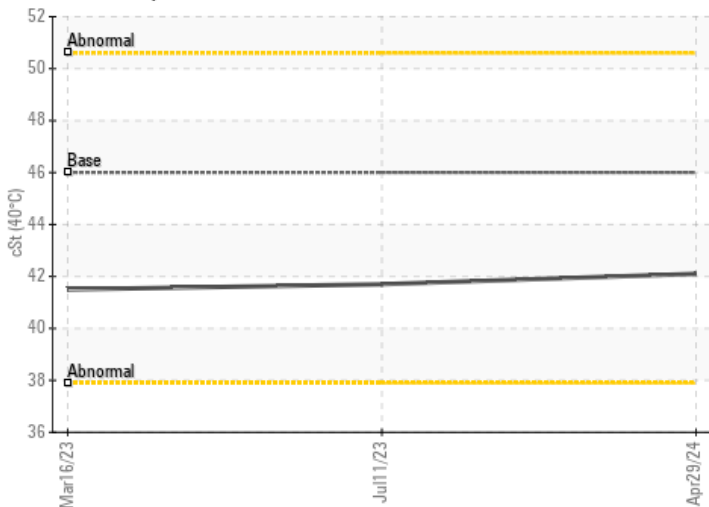
Ferrous Alloys



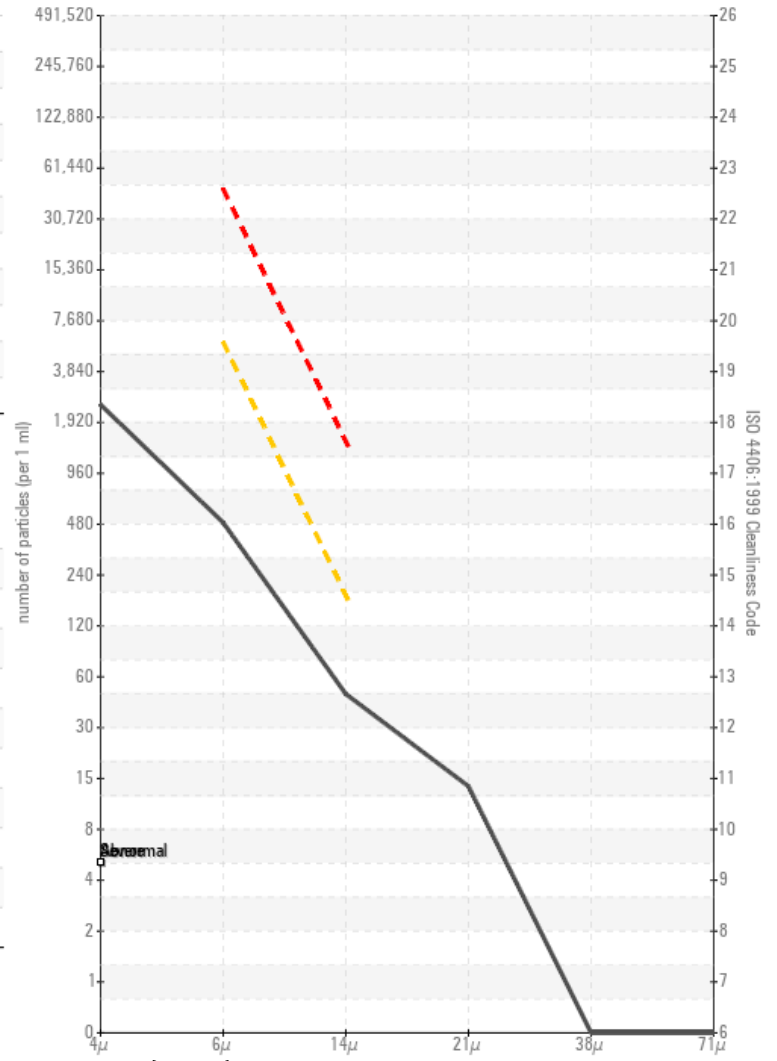
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

