



CONSTRUCTION EQUIPMENT

567073 APTIM VOLVO A35G 340232 - HYDRAULIC SYSTEM



Sample No: VCP418270
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 567073 APTIM



SAMPLE INFORMATION

Sample Number	VCP418270	VCP400011	VCP373188	---
Sample Date	23 Jun 2023	16 Mar 2023	26 May 2022	---
Machine Hours	7810	7309	6196	---
Oil Hours	4000	3309	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 40°C	cSt	41.8	41.7	39.3	---
Acid Number (AN)	mg KOH/g	0.44	0.37	0.44	---



CONTAMINATION

Particles >4µm		3675	2346	28830	---
Particles >6µm		887	581	3839	---
Particles >14µm		40	48	132	---
ISO 4406:1999 (c)		19/17/12	18/16/13	22/19/14	---
Silicon	ppm	5	5	3	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	0	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	17	17	17	---
Copper	ppm	10	10	14	---
Lead	ppm	3	3	4	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	0	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	99	96	110	---
Magnesium	ppm	8	15	4	---
Zinc	ppm	429	451	416	---
Phosphorus	ppm	325	362	337	---
Barium	ppm	2	0	0	---
Boron	ppm	<1	0	2	---

Depot: VOLVO0093
Unique No: 10573175
Signed: Wes Davis
Report Date: 26 Jul 2023

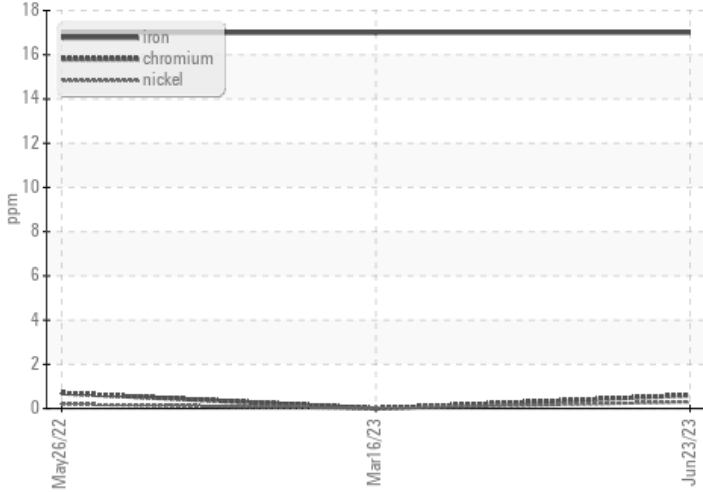


CONSTRUCTION EQUIPMENT

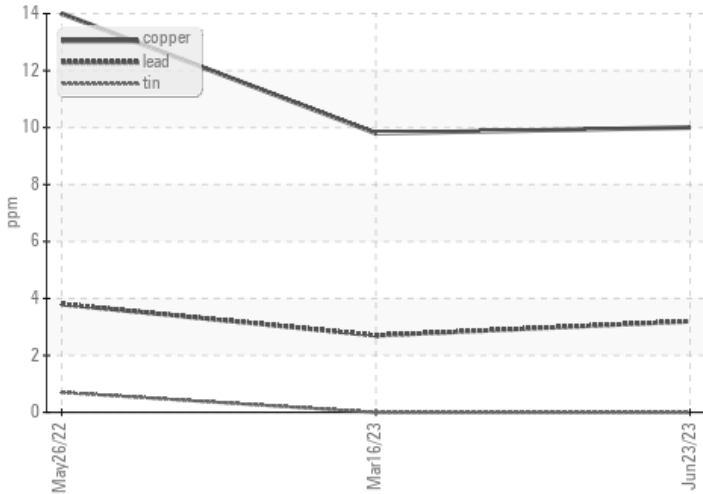


GRAPHS

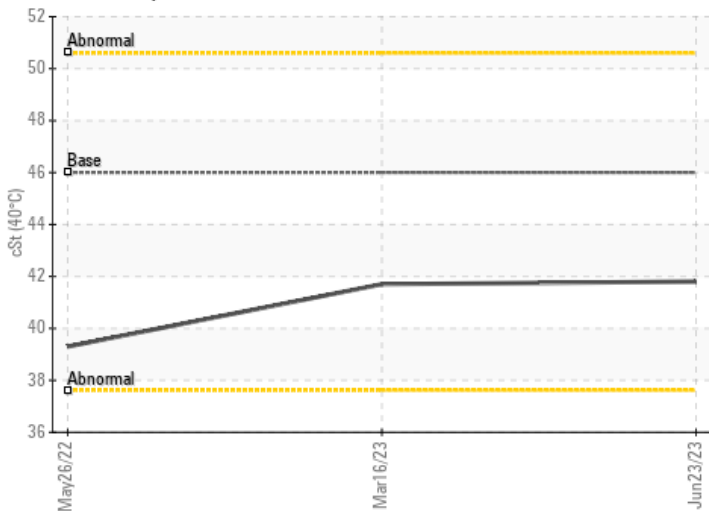
Ferrous Alloys



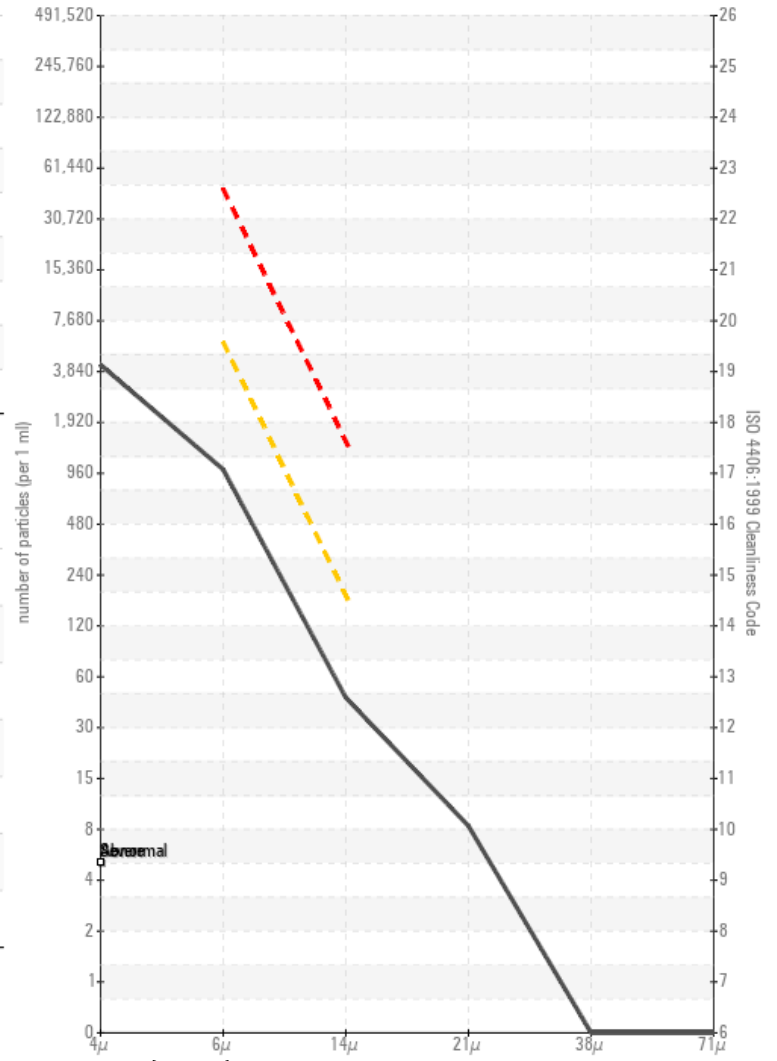
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

