



CONSTRUCTION EQUIPMENT

702884 APTIM VOLVO A30G 740273 - HYDRAULIC SYSTEM



Sample No: VCP432080
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 702884 APTIM



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

SAMPLE INFORMATION

Sample Number	VCP432080	VCP417081	VCP364338	---
Sample Date	25 Apr 2024	22 Aug 2023	01 Sep 2022	---
Machine Hours	11987	11091	10152	---
Oil Hours	3000	4000	2000	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	42.6	42.4	42.5	---
Acid Number (AN)	mg KOH/g	0.41	0.37	---	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4014	11878	2611	---
Particles >6µm		685	1442	336	---
Particles >14µm		45	19	16	---
ISO 4406:1999 (c)		19/17/13	21/18/11	19/16/11	---
Silicon	ppm	12	10	9	---
Sodium	ppm	1	4	2	---
Potassium	ppm	2	0	0	---

WEAR METALS

Iron	ppm	13	11	10	---
Copper	ppm	12	11	9	---
Lead	ppm	4	2	3	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	135	124	115	---
Magnesium	ppm	9	6	4	---
Zinc	ppm	480	438	438	---
Phosphorus	ppm	371	311	338	---
Barium	ppm	0	0	0	---
Boron	ppm	0	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.

Depot: VOLVO0093
Unique No: 11057467
Signed: Wes Davis
Report Date: 31 May 2024

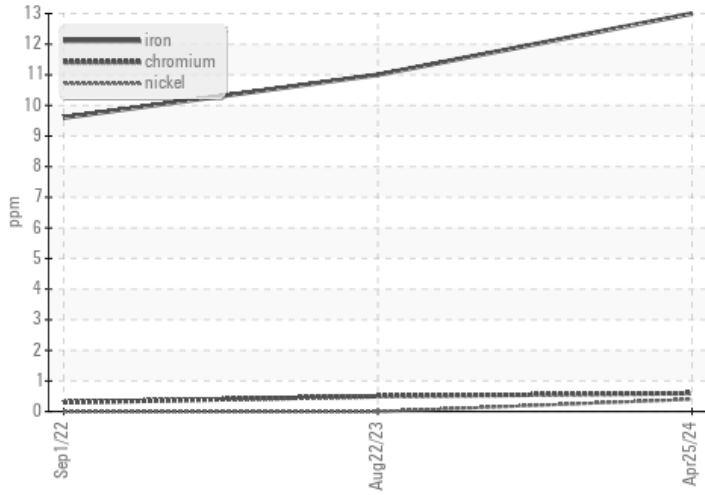


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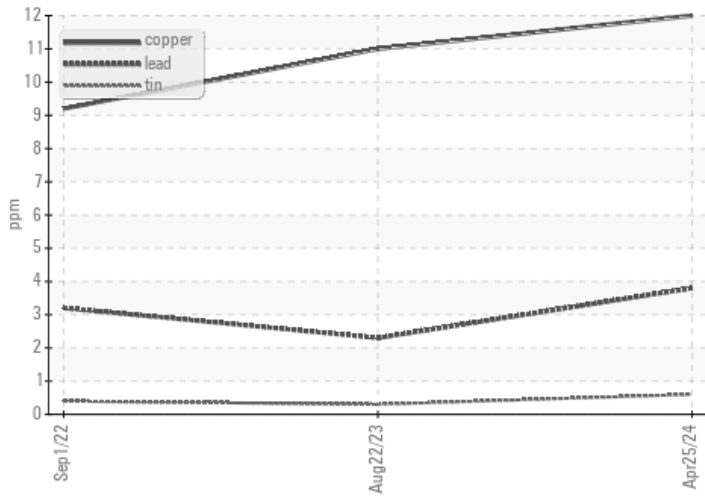


GRAPHS

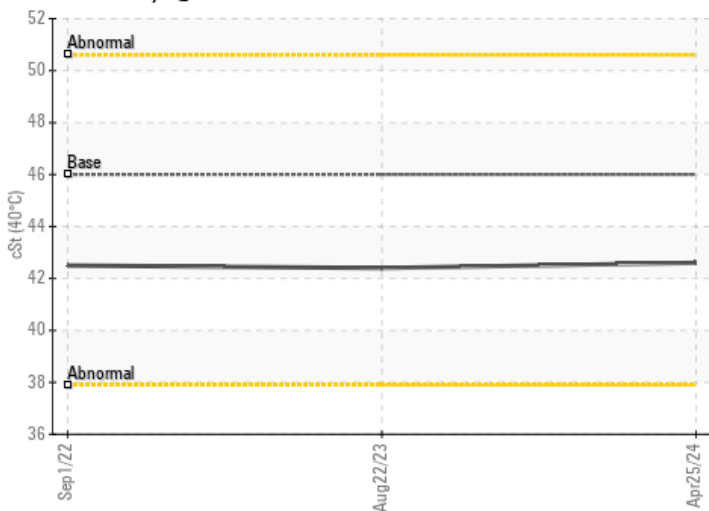
Ferrous Alloys



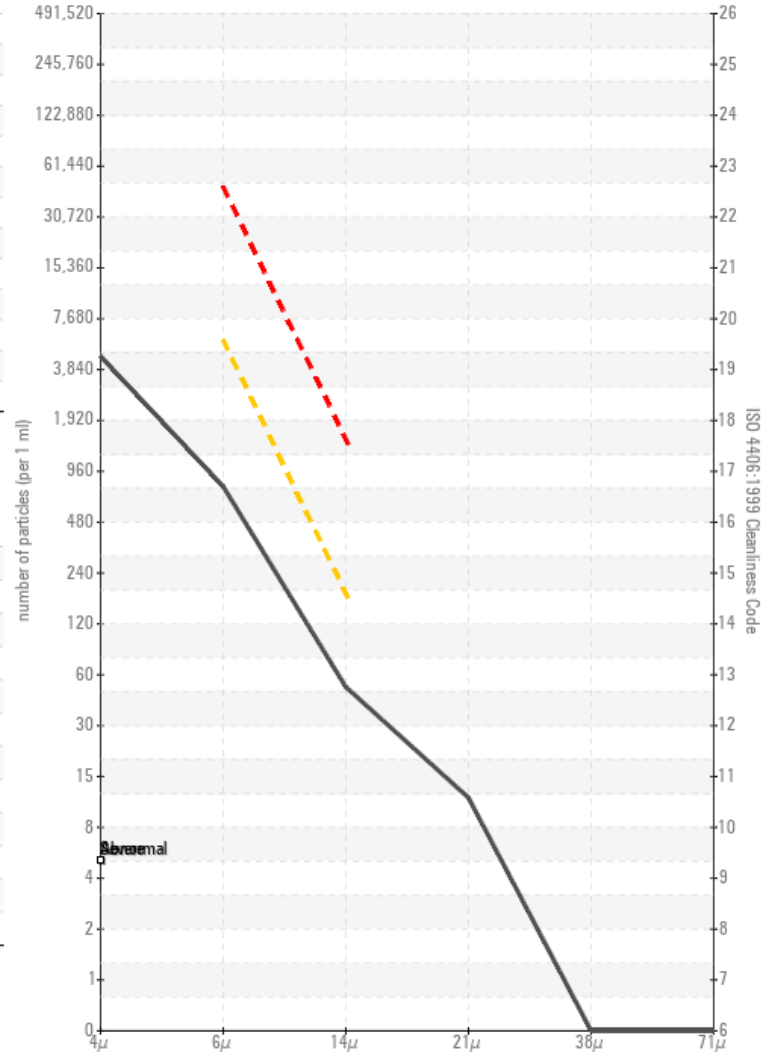
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

