



CONSTRUCTION EQUIPMENT

702725 ATLAS ORGANIC VOLVO L70H 624660 - HYDRAULIC SYSTEM



Sample No: VCP437535
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 702725 ATLAS ORGANIC



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	VCP437535	VCP414724	VCP411968	---
Sample Date	24 Apr 2024	23 Sep 2023	19 Sep 2023	---
Machine Hours	2978	2014	2014	---
Oil Hours	2978	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	SEVERE	---

OIL CONDITION

Visc @ 40°C	cSt	42.3	42.0	42.5	---
Acid Number (AN)	mg KOH/g	0.30	0.40	1.02	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4378	10621	37651	---
Particles >6µm		1112	1750	11036	---
Particles >14µm		60	136	748	---
ISO 4406:1999 (c)		19/17/13	21/18/14	22/21/17	---
Silicon	ppm	3	3	16	---
Sodium	ppm	2	0	0	---
Potassium	ppm	<1	<1	1	---

WEAR METALS

Iron	ppm	7	9	3	---
Copper	ppm	3	2	<1	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	1	<1	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	73	62	3966	---
Magnesium	ppm	8	6	20	---
Zinc	ppm	433	447	1689	---
Phosphorus	ppm	341	327	1274	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	134	---

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: 11036263
Signed: Wes Davis
Report Date: 22 May 2024

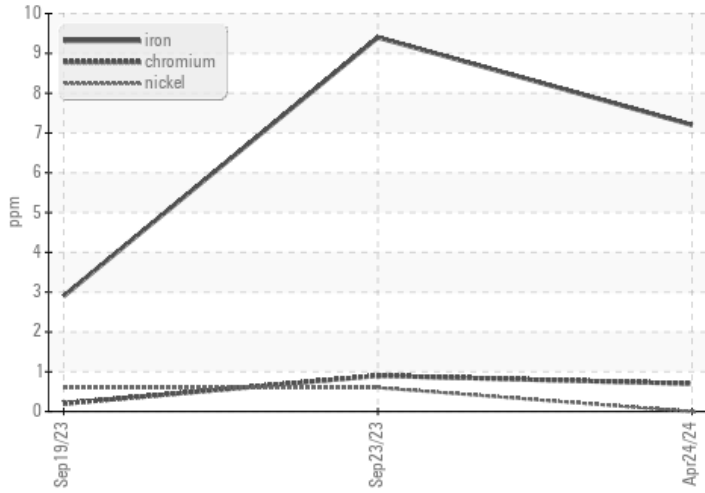


CONSTRUCTION EQUIPMENT

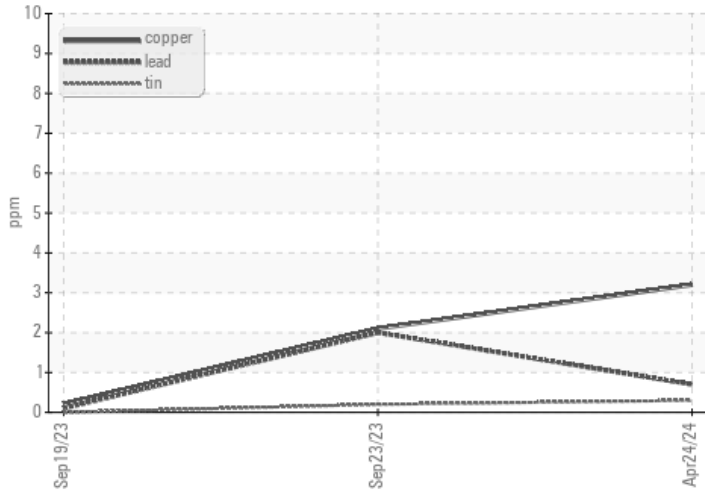


GRAPHS

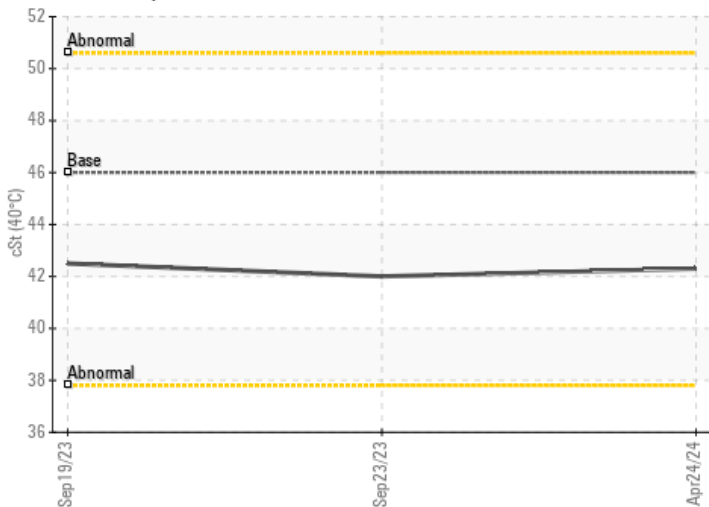
Ferrous Alloys



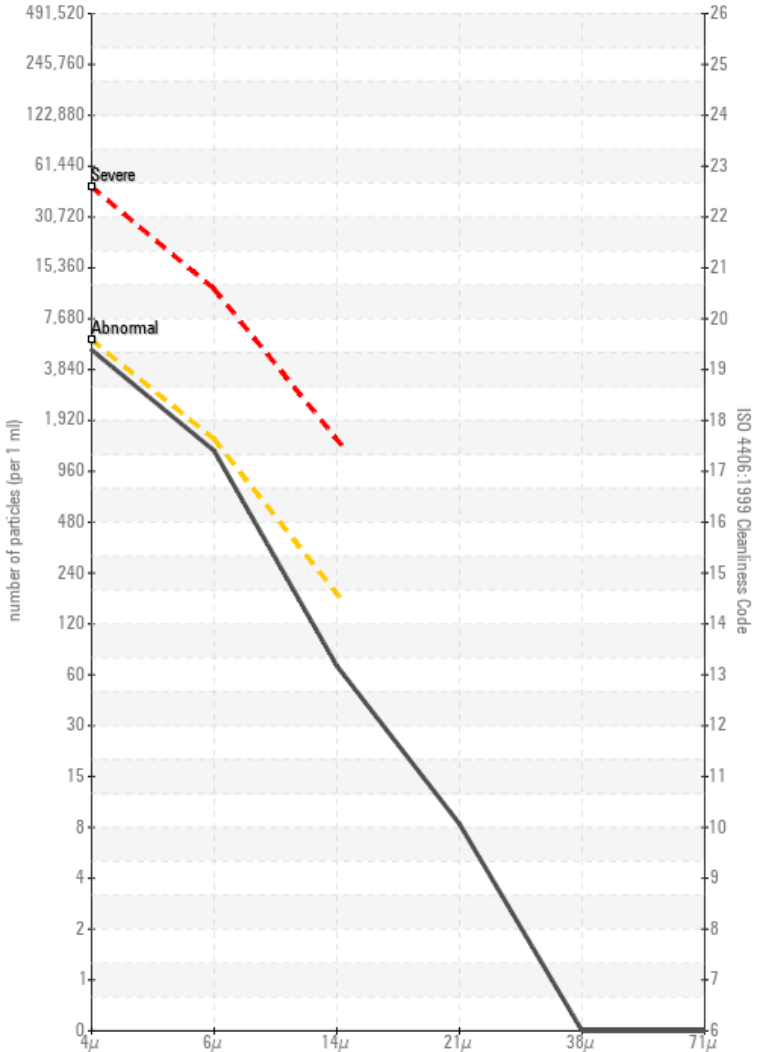
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

